PUBLIC HEALTH REPORTS

VOL. 35 AUGUST 6, 1920 No. 32

STATE AND INSULAR HEALTH AUTHORITIES, 1920.

DIRECTORY, WITH DATA AS TO APPROPRIATIONS AND PUBLICATIONS.

Directories of the State and insular health authorities of the United States for each year from 1912 to 1919 have been published in the Public Health Reports [1] for the information of health officers and others interested in public-health activities. These directories have been compiled from data furnished by the respective State and insular health officers and include data as to appropriations and publications.

Where an officer has been reported to be a "full-time" health officer, that fact is indicated by an asterisk (*). For this purpose a "full-time" officer is defined as "one who does not engage in the practice of medicine or in any other business, but devotes all his time to official duties."

ALABAMA.

Board of censors of the State Medical Association acting as a committee of public health:
- Thos. E. Kilby, governor, ex officio chairman, Montgomery.
- S. W. Welch, M. D., Montgomery.
- W. D. Partlow, M. D., Tuscaloosa.
- J. N. Baker, M. D., Montgomery.
- V. P. Gaines, M. D., Mobile.
- S. G. Gay, M. D., Selma.
- W. R. Jackson, M. D., Mobile.
- W. S. Britt, M. D., Eufaula.
- D. F. Talley, M. D., Birmingham.
- B. L. Wyman, M. D., Birmingham.
- R. S. Hill, M. D., Montgomery.

Executive health officer:
- ***S. W. Welch, M. D.**, State health officer, Montgomery.

Registrar of vital statistics:
- *H. G. Perry, M. D., Montgomery.

State laboratory:
- *E. W. Cheyney, M. D., Montgomery.

State sanitary engineering:
- *G. H. Hazlehurst, C. E., M. C. E., Montgomery.

Rural sanitation:
- *F. W. Dershimer, M. D., Montgomery.
- *J. S. Hough, M. D., Livingston.

Public health nursing:
- *Jessie L. Marriner, R. N., Montgomery.

ALABAMA—Continued.

Venereal-disease control:
- *W. C. Blasingame, A. M., Montgomery.

Field lecturer:
- *J. S. Thomas, University.

Communicable disease:
- *J. L. Bowman, M. D., Montgomery.

Inspection:
- *C. A. Abele, Ch. E., Montgomery.

Chief clerk:
- *Fannie Kate Centerfit, Montgomery.

Appropriation for fiscal year ending Sept. 30, 1921, $150,000.

ALASKA.

Board of health:
- Thomas Riggs, jr., governor, Juneau.
- L. O. Sloane, M. D., commissioner of health.

Executive health officer:
- **L. O. Sloane, M. D.**, commissioner of health, Juneau (1st division).

Assistant commissioners of health:
- Curtis Welch, M. D., 2d division, Nome.
- W. W. Council, M. D., 3d division, Cordova.
- J. A. Sutherland, M. D., 4th division, Fairbanks.

Appropriation for biennium ending Mar. 31, 1921, $41,000.

[1] Reprints Nos. 83, 123, 190, 268, 344, 405, 488, and 544 from the Public Health Reports.

ARIZONA.

Board of health:
- Thomas E. Campbell, governor, president, Phoenix.
- Wiley E. Jones, attorney general, vice president, Phoenix.
- George E. Goodrich, secretary, Phoenix.

Executive health officer:
- **George E. Goodrich, M. D.**, State superintendent of public health, Phoenix.

Appropriations for the fiscal year ending June 30, 1920:

Salary superintendent of health	$1,000
Salary registrar of vital statistics	1,000
Office expenses	2,000
Venereal-disease control work	2,250
Tuberculosis, child welfare, and public health nurses	5,000
Rural sanitation work	2,250
Bulletin and other literature	2,200
Public health lectures and educational work	1,000
Salary of clerical force	3,000
Total	19,700

Publications issued by health department:
- Quarterly bulletin.
- Biennial report.

ARKANSAS.

Board of health:
- C. F. Crosby, M. D., president, Heber Springs.
- F. O. Mahoney, M. D., vice president, El Dorado.
- H. L. Montgomery, M. D., Gravelly.
- H. R. Webster, M. D., Texarkana.
- O. L. Williamson, M. D., Marianna.
- J. T. Clegg, M. D., Siloam Springs.
- S. A. Southall, M. D., Lonoke.

Executive health officer:
- ***C. W. Garrison, M. D.**, State health officer, Little Rock.

Bureau of vital statistics:
- *Mary Ellis Brown, statistician, Little Rock.

Hygienic laboratory:
- *Gordon E. Davis, acting director, Little Rock.

Chief hotel inspector:
- *J. P. Clegg, Siloam Springs.

Sanitary engineer:
- *M. Z. Bair, Little Rock.

Appropriations for biennial period ending Mar. 31, 1921:

Executive department—salaries and miscellaneous	$12,000
Vital statistics bureau—salaries and miscellaneous	22,425
Bureau of sanitation—maintenance	18,410
Bureau of venereal-disease control	25,000
Total	77,835

Other sources of revenue:
- Fees for marriage licenses, 50 cents each, are deposited in the State treasury to maintain the central bureau of vital statistics.
- License fees for hotels, restaurants, and rooming houses are deposited in the State treasury to maintain the bureau of sanitation.

CALIFORNIA.

Board of health:
- George E. Ebright, M. D., president, San Francisco.
- Fred F. Gundrum, M. D., vice president, Sacramento.
- Irving R. Bancroft, M. D., secretary, Sacramento.
- Walter Lindley, M. D., Los Angeles.
- Edward F. Glaser, M. D., San Francisco.
- Adelaide Brown, M. D., San Francisco.
- Robert A. Peers, M. D., Colfax.

Attorney for board of health:
- John C. MacFarland, Los Angeles.

Executive health officer:
- ***Irving R. Bancroft, M. D.**, secretary and executive officer, State board of health, Sacramento.
- *Arthur J. Messier, assistant to secretary and executive officer, Sacramento.

Bureau of vital statistics:
- *L. E. Ross, director, Sacramento.

Bureau of registration of nurses:
- *Anna C. Jamme, R. N., director, Sacramento.

Bureau of tuberculosis:
- *Edith L. M. Tate Thompson, director, Sacramento.

Bureau of food and drugs:
- *Erwin J. Lea, director, Berkeley.

Bureau of communicable diseases:
- *W. H. Kellogg, M. D., director, Sacramento.

Bureau of social hygiene:
- *W. M. Dickie, M. D., director, Los Angeles.

Bureau of sanitary engineering:
- *Ralph Hilscher, C. E., director, Berkeley.

Appropriations for biennial period ending June 30, 1921:

Traveling and contingent expenses	$42,000
Tuberculosis control work	200,000
Pure food and drugs	65,000
Hygienic laboratory and antirabic virus	50,000
Printing	8,000
Contagious diseases	55,000
Sanitary engineering	50,000
Statutory salaries (from general appropriation)	47,800
Support of 6 district health officers, at $3,000, expenses, etc	25,000
Venereal-disease control work	51,600
Child hygiene	20,000
Total	614,400

Other sources of revenue:
- Fees for registration of nurses, $10 each.
- Licensing of cold-storage warehouses, rated according to capacity.
- Fees for certified copies of records.

Fiscal year ends June 30.

Publications issued by health department:
- Biennial report.
- Monthly bulletin.
- Weekly newsletter.

COLORADO.

Board of health:
- Clinton G. Hickey, M. D., president, Denver.
- Wm. H. Sharpley, M. D., vice president, Denver.
- G. K. Olmsted, M. D., Denver.

COLORADO—Continued.

Board of health—Continued.
R. L. Drinkwater, M. D., secretary, Denver.
Sherman Williams, M. D., Denver.
Wm. H. Sharpley, M. D., Denver.
G. W. Bumpus, D. O., Denver.
C. W. Thompson, M. D., Pueblo.
Hugh F. Lorimer, M. D., Ordway.
J. W. Amesse, M. D., Denver.

Executive health officer:
R. L. Drinkwater, M. D., secretary State board of health, Denver.

Bacteriologist:
W. C. Mitchell, M. D., Denver.

Medical inspector:
*J. W. Morgan, M. D., Denver.

State food and drug commissioner:
*Wilber F. Cannon, Denver.

Division of venereal diseases:
*S. R. McKelvey, M. D., director, Denver.
B. F. Matthews, M. D., bacteriologist, Denver.

Appropriations for fiscal year ending Nov. 30, 1920:

Salaries	$23,700
Detention home fund	15,000
Laboratory equipment	750
Printing and publications	500
Traveling expenses	2,400
Venereal diseases	7,500
Incidental expenses	1,000
Total	50,850

CONNECTICUT.

Public health council:
Edward K. Root, M. D.
Lewis Sperry, LL. B.
C.-E. A. Winslow, D. P. H.
H. P. Mansfield, M. D.
Robert A. Cairns, C. E.
James A. Newlands, B. S.

Executive health officer:
***John T. Black, M. D.**, commissioner of health, Hartford.

Laboratory director:
C. J. Bartlett, M. D.

Sanitary engineering:
J. Frederick Jackson, C. E., director.

Preventable diseases:
*Stanley H. Osborn, M. D., director.

Vital statistics:
*——, director.

Bureau of child hygiene and public health nursing:
*Margaret K. Stack, R. N., director.

Division of venereal diseases:
*——, director.

Appropriations for fiscal year ending June 30, 1921:

General administrative expenses	$13,000
Salary commissioner	4,000
Purchase and free distribution of antitoxin	10,000
Preventable diseases	11,000
Vital statistics	10,000
Sanitary engineering	10,000
Laboratory	20,000
Child hygiene	12,500
Industrial wastes	25,000
Venereal-disease control work	12,000
Total	127,500
Special for laboratory construction	100,000
Total	227,500

CONNECTICUT—Continued.

Other sources of revenue:
Medical practice, registration fees.
Spring water, license fees.

Publications issued by health department:
Monthly bulletin.
Annual vital statistics report.
Biennial report of State department of health.

DELAWARE.

Board of health:
Wm. P. Orr, M. D., president, Lewes.
L. S. Conwell, M. D., secretary, Dover.
J. W. Clifton, M. D., Smyrna.
W. F. Haines, M. D., Seaford.
C. A. Ritchie, M.D., Wilmington.
G. W. K. Forrest, M. D., Wilmington.
Edgar Q. Bullock, M. D., Wilmington.

Executive health officer:
L. S. Conwell, M. D., secretary State board of health, Dover.

Commissioner of health:
*Chester H. Wells, S. B.

Pathologist and bacteriologist:
*Herbert J. Watson, Newark.

Appropriations for the fiscal year ending Jan. 5, 1921:

State board of health	$6,000
Laboratory	10,000
Vital statistics	2,000
Diphtheria antitoxin	500
Venereal-disease control work	2,500
Total	21,000

DISTRICT OF COLUMBIA.

Executive health officer:
***Wm. C. Fowler, M. D.**, health officer, Washington.

Assistant health officer:
*John L. Norris, M. D., Washington.

Chief clerk and deputy health officer:
*Arthur G. Cole, Washington.

Chief bureau of preventable diseases and director bacteriological laboratory:
*——.

Bacteriologist:
*L. V. Dieter, Phar. D., Washington.

Serologist:
*W. F. Landon, B. S., Washington.

Chemist:
*Thomas Malcolm Price, M. Sc., Ph. D., Washington.

Chief sanitary inspector:
*C. R. Holman, Washington.

Chief food inspector:
*Reid R. Ashworth, D. V. S., Washington.

Chief medical and sanitary inspector of schools:
*Joseph A. Murphy, M. D., Washington.

Appropriations for the fiscal year ending June 30, 1921:

Salaries	$100,890
Prevention of communicable diseases	40,000
Disinfecting service	7,000
Isolation wards at hospitals	16,500
Milk and food inspection and regulation	8,500

DISTRICT OF COLUMBIA—Continued.

Appropriations for the fiscal year ending June 30, 1921—Continued.

Dispensary service, including treatment of tuberculosis and venereal diseases.	$12,500
Examination, advice, and care of children under 6 years of age under contract with child-welfare society	15,000
Miscellaneous	9,550
Total	209,940

Publications issued by health department:
Weekly report by health department.
Annual report of health officer.
Monthly statement of average grade of milk sold.

FLORIDA.

Board of health:
Joe L. Earman, president, West Palm Beach.
Ed. M. Earnest, Palatka.
J. Ed. Graves, Quincy.

Executive health officer:
***Ralph N. Greene, M. D.**, State health officer, Jacksonville.

Assistant health officer:
*—— ——.

Bureau of vital statistics:
*Stuart G. Thompson, D. P. H., director, Jacksonville.

Bureau of sanitary engineering:
*George W. Simons, jr., B. S., director, Jacksonville.

Bureau of diagnostic laboratories:
*B. L. Arms, M. D., director, Jacksonville.

Bureau of venereal diseases:
*Daniel C. Campbell, M. D., director, Jacksonville.

Bureau of child welfare:
*William Bernard Keating, M. D., director, Jacksonville.

Appropriation for health department:
One-half mill tax levied upon the assessable property of the State.

Fiscal year ends December 31.

Publications issued by health department:
Pamphlets covering all phases of public health.
Public health information disseminated through weeklies and dailies of the State.

GEORGIA.

Board of health:
W. H. Doughty, jr., M. D., president, Augusta.
James H. McDuffie, M. D., vice president, Columbus.
T. F. Abercrombie, M. D., secretary, Atlanta.
Chas. H. Richardson, M. D., Macon.
A. D. Little, M. D., Thomasville.
John W. Daniel, M. D., Savannah.
B. C. Teasley, M. D., Hartwell.
A. L. Crittenden, M. D., Shellman.
Robert F. Maddox, Atlanta.
A. C. Shamblin, M. D., Rome.
J. C. Verner, M. D., Commerce.
J. L. Walker, M. D., Waycross.
M. S. Brown, M. D., Fort Valley.
M. L. Brittain, State superintendent of schools, Atlanta.
Peter F. Bahnsen, State veterinarian, Atlanta.

GEORGIA—Continued.

Executive health officer:
T. F. Abercrombie, M. D., commissioner, Atlanta.
Joe P. Bowdoin, M. D., deputy commissioner, Atlanta.

Division of venereal-disease control:
Joe P. Bowdoin, M. D., director, Atlanta.

Division of epidemiology and rural sanitation:
M. F. Haygood, M. D., director, Atlanta.

Division of laboratories:
T. F. Sellers, M. Sc., director, Atlanta.

Division of sanitary engineering:
H. C. Woodfall, director, Atlanta.

Division of serology:
E. L. Webb, A. B., director, Atlanta.

Division of tuberculosis (Raoul Foundation):
J. P. Faulkner, director, Atlanta.

State tuberculosis sanatorium:
Edson W. Glidden, 2d, M. D., superintendent, Alto.

Bureau of vital statistics:
W. A. Davis, M. D., director, Atlanta.

Division of child hygiene:
Lydia Allen DeVilbiss, M. D., director, Atlanta.

Appropriations for the fiscal year ending Dec. 31, 1920:

General appropriation	$75,500
State tuberculosis sanatorium	36,000
Venereal disease control	15,000
Land purchase for State tuberculosis sanatorium	3,750
Total appropriation by legislature	130,340
Raoul Foundation for tuberculosis control (Raoul Foundation funds)	30,000
Venereal-disease control (Federal Government funds)	15,000
Rural sanitation (International Health Board funds)	5,000
Total	180,340

HAWAII.

Board of health:
F. E. Trotter, M. D., president and executive officer, Honolulu.
Harry Irwin, attorney general, Honolulu.
W. C. Hobdy, M. D., Honolulu.
George Denison, Honolulu.
Rudolph Duncan, Honolulu.
R. A. McNally, Honolulu.
S. S. Paxson, Honolulu.

Executive health officer:
***F. E. Trotter, M. D.**, president of the board of health, Honolulu.

Bacteriologist:
A. N. Sinclair, M. D., Honolulu.

Tuberculosis bureau:
*H. L. Ross, M. D., director, Honolulu.

Medical inspector of schools:
*H. L. Ross, M. D., director, Honolulu.

Chief sanitary officer:
James T. Wayson, M. D., Honolulu.

Sanitary engineer:
*S. W. Tay, Honolulu.

Food commissioner and analyst:
*M. B. Bairos, Honolulu.

HAWAII—Continued.

Oahu insane asylum:
*W. A. Schwallie, M. D., superintendent, Honolulu.
Leper settlement:
*J. D. McVeigh, superintendent, Kalaupapa, Molokai.
*W. J. Goodhue, M. D., medical superintendent, Kalaupapa, Molokai.
Appropriations for the biennial period ending June 30, 1921:

General expense	$57,600
Sanitation	117,360
Pure food	16,200
Bacteriological bureau	12,840
Quarantine and medical service	105,240
Rat campaign	24,000
Mosquito campaign	4,800
Medical and dental supervision and treatment of school children	57,000
Tuberculosis	238,200
Care of lepers and their children	549,550
Care of the insane	166,360
Total	1,349,150

Publication issued by health department:
Annual report of president.

IDAHO.

Department of public welfare:
*P. L. Neil, commissioner.
*E. E. Laubaugh, M. D., medical adviser.
*Paul A. Mader, bacteriologist.
*Edward F. Rhodenbaugh, chemist.
Executive health officer:
***P. L. Neil**, commissioner, department o' public welfare, Boise.
Appropriations for fiscal year ending Jan. 1, 1921:

Board of health	$10,300
Bureau of child welfare	3,800
Bacteriological laboratory	7,150
Chemical laboratory	7,050
Dairy, food, and sanitary inspection	30,000
Tuberculosis hospitals (estimated)	140,000
Total	198,300

ILLINOIS.

Director of public health:
***C. St. Clair Drake, M. D.**, Springfield.
Assistant director of public health:
*George Thomas Palmer, M. D.
Division of sanitation:
*Harry F. Ferguson, C. E., chief sanitary engineer.
Division of communicable diseases:
*J. J. McShane, M. D., chief.
Division of child hygiene and public health nursing.
*C. W. East, M. D., chief.
Division of tuberculosis:
*George Thomas Palmer, M. D., acting chief.
Division of diagnostic laboratory:
*Thomas G. Hull, Ph. D., acting chief bacteriologist.
Division of biologic and research laboratories:
*Thomas G. Hull, Ph. D., chief of laboratories.

ILLINOIS—Continued.

Division of vital statistics:
*Sheldon L. Howard, registrar.
Divisions of surveys and rural hygiene:
*Baxter K. Richardson, supervisor.
Division of public health instruction:
*Samuel W. Kessinger, editor.
Division of social hygiene:
*G. G. Taylor, M. D., chief.
Division of hotel and lodging house inspection:
*W. W. McCulloch, superintendent.
Appropriations for fiscal year ending June 30, 1921:

Salaries	$177,400
Office expenses	15,800
Traveling expenses	47,900
Operating, supplies and expenses	57,545
Repairs	3,850
Equipment	11,110
Contingent	13,700
Printing	17,500
Total	344,805

Publication issued by health department:
Illinois Health News. (Monthly.)

INDIANA.

Board of health:
Hugh A. Cowing, M. D., president, Muncie.
John H. Hewitt, M. D., vice president, Terre Haute.
Frederic R. Henshaw, D. D. S., Indianapolis.
Charles B. Kern, M. D., La Fayette.
J. N. Hurty, M. D., secretary, Indianapolis.
Executive health officer:
***J. N. Hurty, M. D.**, State health commissioner, Indianapolis.
Assistant State health commissioner:
*Wm. F. King, M. D., Indianapolis.
Division of statistics:
*H. M. Wright, director, Indianapolis.
Laboratory of hygiene:
*Wm. Shimer, director, Indianapolis.
Division of food and drugs:
*Ivy Miller, A. B., State food and drug commissioner, Indianapolis.
Water and sewage laboratory:
*Capt. John C. Diggs, sanitary engineer, Indianapolis.
Division of child hygiene:
*Ada E. Schweitzer, M. D., director, Indianapolis.
Division of tuberculosis:
*H. W. McKane, M. D., director, Indianapolis.
Division of epidemiology:
*Wm. Shimer, director, Indianapolis.
Division of venereal diseases:
*Wm. F. King, M. D., director, Indianapolis.
Division of school hygiene:
*Edward C. Helwig, M. D., director, Indianapolis.
Appropriations for the fiscal year ending Sept. 30, 1920:

Salaries (specific)	$3,000.00
State board of health office	30,000.00
Laboratory of hygiene	12,000.00

INDIANA—Continued.

Appropriations for the fiscal year ending September 30, 1920—Continued.

Laboratory of water and pure food and drugs	$25,000.00
Weights and measures	10,000.00
Cold-storage fund	450.00
Hydrophobia fund	12,000.00
Baby book	5,000.00
Division of tuberculosis	10,000.00
Division of infant and child hygiene	10,000.00
Division of venereal diseases	29,366.20
Division of rural hygiene	25,000.00
Total	171,816.20

Publication issued by health department:
Monthly bulletin.

IOWA.

Board of health:
G. F. Severs, M. D., president, Centerville.
Lafayette Higgins, vice president and sanitary engineer, Des Moines.
Walter L. Bierring, M. D., Des Moines.
Frank T. Launder, M. D., Garwin.
C. S. Grant, M. D., Iowa City.
W. L. Harding, governor, Des Moines.
W. C. Ramsey, secretary of state, Des Moines.
F. S. Shaw, auditor of state, Des Moines.
E. H. Hoyt, treasurer of state, Des Moines.

Secretary appointing board and executive council:
Ray E. Johnson, Des Moines.

Executive health officer:
*Guilford H. Sumner, M. D., State health commissioner, Des Moines.

Assistant secretary:
*H. W. Grefe, Des Moines.

Chief clerk:
*L. V. Clemens, Des Moines.

Laboratories:
*Henry Albert, M. D., director, Iowa City.
Don M. Griswold, M. D., epidemiologist, Iowa City.

Sanitary engineer:
*Lafayette Higgins, Des Moines.

Bureau of venereal diseases:
*W. S. Conkling, M. D., director.

Lecturer in charge of women's work:
*Jeannette F. Throckmorton, M. D.

State housing commissioner:
*Edwin H. Sand.

Appropriations for fiscal year ending June 30, 1920:

State board of health work	$15,000
Bacteriological laboratory	8,000
Antitoxin department	2,000
Vital statistics	3,000
Salaries of employees	5,400
Social hygiene	15,000
Total	48,400

The above does not include special appropriation for clerical assistance.

Publications issued by health department:
Biennial report.
Quarterly bulletin.

KANSAS.

Board of health:
O. D. Walker, M. D., president, Salina.
H. L. Aldrich, M. D., vice president, Caney.

KANSAS—Continued.

Board of health—Continued.
Clay E. Coburn, M. D., Kansas City.
J. T. Axtell, M. D., Newton.
W. M. Earnest, M. D., Washington.
C. H. Ewing, M. D., Larned.
J. J. Evoty, M. D., Hillsboro.
C. H. Lerrigo, M. D., Topeka.
Ione Clayton, M. D., Arkansas City.
J. G. Egan, attorney.

Executive health officer:
S. J. Crumbine, M. D., U. S. P. H. S. (Reserve), secretary State board of health, Topeka.

Division of vital statistics:
Chas. H. Lerrigo, M. D., State registrar, Topeka.

Division of communicable diseases and sanitation:
T. D. Tuttle, M. D., U. S. P. H. S. (Reserve), epidemiologist.

Division of foods and drugs:
Frank Rowland, assistant chief food and drug inspector, Topeka.

Division of child hygiene:
Florence Brown Sherbon, M. D., chief, Topeka.

Division of water and sewage:
Prof. Albert Jewell, chief, Lawrence.

Division of public health education:
S. J. Crumbine, M. D., director, Topeka.

Division of venereal diseases:
B. K. Kilbourne, M. D., U. S. P. H. S. (Reserve), director, Topeka.

Water and sewage laboratories at Kansas University:
Prof. Albert Jewell, director, Lawrence.

Food laboratory at Kansas University:
Prof. E. H. S. Bailey, director of food analyses, Lawrence.

Drug laboratory at Kansas University:
Prof. L. E. Sayre, director of drug analyses, Lawrence.

Food laboratory at Kansas Agricultural College:
Prof. Wm. King, director of food analyses, Manhattan.

Director of laboratories:
Kenneth Maxey, M. D., Topeka.

Appropriations for fiscal year ending June 30, 1920:

Salaries	$23,700
Miscellaneous	8,000
Water and sewage division	5,000
Free distribution of antitoxins, etc.	2,500
Suppression of communicable diseases	10,000
Public health exhibit car	3,000
Laboratory of hygiene	1,500
Division of child hygiene	7,500
Division of food and drugs	7,500
Division of venereal diseases	18,385
Total	87,085

Other sources of revenue:
Marriage fees, approximately, $11,000.
Water and ice analyses fees, approximately $14,000.
Food and drug laboratories at Kansas University, maintained by university maintenance fund, and food laboratory at Kansas Agricultural College, maintained by agricultural college maintenance fund.

Publications issued by health department:
Monthly bulletin.
Biennial report.

KENTUCKY.

Board of health:
John G. South, M. D., president, Frankfort.
W. W. Richmond, M. D., Clinton.
George T. Fuller, M. D., Mayfield.
H. H. Carter, D. O., Shelbyville.
Joseph E. Wells, M. D., Cynthiana.
George S. Coon, M. D., Louisville.
F. A. Stine, M. D., Newport.
O. C. Dilly, M. D., Louisville.
A. T. McCormack, M. D., secretary, Louisville.
Executive health officer:
***A. T. McCormack, M. D.**, State health officer, Louisville.
Bureau of sanitation:
*J. N. McCormack, M. D., director, Louisville.
Bureau of vital statistics:
*P. E. Blackerby, M. D., director, Louisville.
Bureau of bacteriology:
*Lillian H. South, M. D., director, Louisville.
Bureau of sanitary engineering:
Lieut. A. E. Gorman, U. S. P. H. S., director, Louisville.
Bureau of pure food and drugs:
*Sarah H. Vance, director, Louisville.
Bureau of venereal diseases:
*Milton Board, M. D., director, Louisville.
Bureau of tuberculosis:
*J. S. Lock, M. D., director, Louisville.
Bureau of public health nursing:
*Marian Williamson, R. N., director, Louisville.
Bureau of child welfare:
George L. Sehon, chief, Louisville.
Bureau for prevention of trachoma and blindness.
—— ——, director, Lexington.
Bureau of public health education:
*Mrs. Jane T. Dahlman, director, Louisville.
Bureau of housing:
J. C. Murphy, director, Louisville.
Bureau of county health work:
*P. W. Covington, M. D., director, Louisville.
Appropriation for fiscal year ending June 30, 1921, $257,500.
Publication issued by health department:
Monthly bulletin.

LOUISIANA.

Board of health:
Oscar Dowling, M. D., president, New Orleans.
J. M. Mosely, M. D., Arcadia.
T. T. Tarlton, M. D., Grand Coteau.
L. C. Chamberlain, M. D., New Orleans.
J. T. Abshire, M. D., Kaplan.
T. A. Roy, M. D., Mansura.
B. A. Ledbetter, M. D., New Orleans.
M. W. Swords, M. D., secretary, New Orleans.
Executive health officer:
***Oscar Dowling, M. D.**, president State board of health, New Orleans.
Bacteriologist:
W. H. Seemann, M. D., New Orleans.
Registrar:
Geo. J. Dempsey, M. D., New Orleans.
Sanitary engineer:
John H. O'Neill, B. S., New Orleans.

LOUISIANA—Continued.

Child hygiene:
Agnes Morris, New Orleans.
Maud Loeber, M. D., medical lecturer, New Orleans.
Analyst:
C. L. Clay, B. S., New Orleans.
Chemists:
J. Roy Keeny, A. B., Phar. D., New Orleans.
Leonard C. Scott, M. D., Ph. D., New Orleans.
Bureau of venereal diseases:
*Wm. Edler, M. D., U. S. P. H. S., director, New Orleans.
Appropriations for fiscal year ending June 30, 1921:

Isolation hospital at Alexandria	$12,500
Venereal-disease control work	12,500
General	75,000
Total	100,000

Other source of revenue:
Fees from inspection of oil.
Publications issued by health department:
Monthly bulletin.
Quarterly bulletin.
Annual almanac.
Biennial report.
Miscellaneous leaflets.

MAINE.

Public health council:
Leverett D. Bristol, M. D., D. P. H., chairman, Augusta.
S. J. Beach, M. D. Augusta.
Hiram W. Ricker, South Poland.
R. D. Small, M. D., Portland.
J. Q. Guinac, Bangor.
Executive health officer:
***Leverett D. Bristol, M. D.**, D. P. H., State commissioner of health, Augusta.
Division of administration:
*Leverett D. Bristol, M. D., D. P. H., director, Augusta.
Division of communicable diseases:
*A. G. Young, M. D., director, Augusta.
Division of diagnostic laboratories:
*H. E. Thompson, M. D., director, Augusta.
Division of sanitary engineering:
*P. C. McGouldrick, B. S., director, Augusta.
Division of public health education and publicity:
*Ione F. Wimans, B. S., director, Augusta.
Division of vital statistics:
*L. D. Bristol, M. D., D. P. H., State registrar, Augusta.
Division of venereal diseases:
*H. E. Hitchcock, M. D., director, Augusta.
Division of public health nursing and child hygiene:
*Edith L. Soule, R. N., director, Augusta.
District health officers:
*C. F. Kendall, M. D., Biddeford.
*E. P. Goodrich, M. D., Lewiston.
*J. W. Loughlin, M. D., Damariscotta.
*A. S. Pope, C. P. H., Waterville.
*H. P. Worth, M. D., Bangor.
*J. F. Stevens, M. D., Millinocket.
*G. H. Hutchins, M. D., Presque Isle.
*A. L. Smith, M. D., Machias.

MAINE—Continued.

Appropriations for fiscal year ending Dec. 31, 1920:

Salaries and clerk hire	$20,000
Office expenses and epidemic fund	18,000
District and local health officers	30,000
Venereal-disease control work	8,000
Total	76,000

Other source of revenue:
Census Bureau, Washington, D. C., about $800.

Publications issued by the department of health:
Annual report of department of health.
Annual report on vital statistics.
Monthly scientific bulletin.
Monthly news bulletin.

MARYLAND.

Board of health:
Wm. H. Welch, M. D., president, Baltimore.
Alexander Armstrong, attorney general, Baltimore.
John S. Fulton, M. D., secretary, Baltimore.
Wm. W. Ford, M. D., Baltimore.
C. Hampson Jones, M. D., Baltimore.
Tolley A. Biays, Baltimore.
Benjamin C. Perry, Bethesda.
E. F. Kelly, Phar. D., Baltimore.

Executive health officer:
***John S. Fulton, M. D.**, State health officer, Baltimore.

Bureau of communicable diseases:
*Robert H. Riley, M. D., chief, Baltimore.

Bureau of vital statistics:
Frederic V. Beitler, M. D., chief, Baltimore.

Food and drug commissioner:
*A. L. Sullivan, chief, Baltimore.

Bureau of bacteriology:
*R. C. Salter, chief, Baltimore.

Bureau of sanitary engineering:
Robert B. Morse, C. E., chief, Baltimore.

Bureau of chemistry:
Wyatt W. Randall, Ph. D. chief, Baltimore.

Appropriations for fiscal year ending Sept. 30, 1921:

Salaries	$156,000
Expenses	84,000
Total	240,000

Publications issued by the health department:
Annual report.
Health officers' bulletin.

MASSACHUSETTS.

Public health council:
Eugene R. Kelley, M. D., chairman, Boston.
David L. Edsall, M. D., Boston.
J. E. Lamoureaux, M. D., Lowell.
Prof. W. T. Sedgwick, Cambridge.
Prof. G. C. Whipple, Cambridge.
Warren C. Jewett, Worcester.

Executive health officer:
***Eugene R. Kelley, M. D.**, State commissioner of health, Boston.

Division of sanitary engineering:
*X. H. Goodnough, director and chief engineer, Boston.

Division of water and sewage laboratories:
*H. W. Clark, director and chemist, Boston.

MASSACHUSETTS—Continued.

Division of communicable diseases:
*Bernard W. Carey, M. D., director, Winthrop.
*J. E. Henry, M. D., epidemiologist.
*Edith A. Beckler, bacteriologist, Boston.

Division of hygiene:
*Merrill E. Champion, M. D., director, Marblehead.

Division of food and drugs:
*Herman C. Lythgoe, director and analyst, Newton.

Division of biologic laboratories:
*G. Benjamin White, Ph. D., director and pathologist, Boston.
Antitoxin and vaccine laboratory:
*David Williams, M. D., assistant director, Boston.
Wassermann laboratory:
W. A. Hinton, M. D., assistant director, Canton.
Milton J. Rosenau, M. D., consulting pathologist and bacteriologist, Boston.

Division of tuberculosis (sanatoria):
*William J. Gallivan, M. D., Boston.

Appropriations for fiscal year ending Nov. 30, 1920:

Division of administration	$31,830.00
Division of hygiene	38,645.00
Division of communicable diseases	77,500.00
Division of venereal diseases	16,542.50
Production and distribution of antitoxin and vaccine	56,240.00
Manufacture and distribution of arsphenamine	9,025.00
Division of food and drug inspection	37,750.00
Division of water supply and sewage disposal	76,200.00
An investigation relative to water-supply needs and resources	75,000.00
State examiners of plumbers	4,620.00
Division of tuberculosis	188,826.12
Maintenance of four sanatoria (tuberculosis)	867,906.00
Maintenance of Penikese Hospital (leprosy)	33,120.00
Total	1,513,174.62

Publications issued by health department:
Monthly bulletin.
Annual report.
Miscellaneous pamphlets dealing with health matters.

MICHIGAN.

Public health council:
Guy L. Keifer, M. D., president, Detroit.
James G. Turner, M. D., vice president, Houghton.
C. C. Slemons, M. D., Grand Rapids.
Frank M. Gowdy, M. D., St. Joseph.
Leland W. Carr, Lansing.

Executive health officer:
***Richard M. Olin, M. D.**, State health commissioner, Lansing.

Deputy health commissioner:
Henry L. Oakley, deputy health commissioner, Lansing.

MICHIGAN—Continued.

Engineering:
E. D. Rich, C. E., State sanitary engineer, Lansing.
Laboratories:
C. C. Young, Ph. D., director, Lansing.
R. L. Kahn, M. S., D. Sc., immunologist.
Minna Crooks, R. N., bacteriologist.
C. L. Bliss, B. S., analytical chemist.
Ernest Badger, B. S., chemist, water and sewage.
Communicable diseases:
W. J. V. Deacon, M. D., D. P. H., director, Lansing.
Venereal diseases:
Howard M. Streeter, M. D., director, Lansing.
Embalming:
F. J. Pienta, director, Lansing.
Nursing and child hygiene:
Harriet Leck, R. N., director, Lansing.
Education:
Marjorie Delavan, director, Lansing.
Appropriation for fiscal year ending June 30, 1921:

Personal services	$21,200.00
Laboratories	11,680.00
Medical inspection	43,000.00
Engineering	5,400.00
Venereal disease	150,000.00
Embalming	1,305.00
General expenses	28,367.54
Total	260,952.54

Publications issued by health department:
Monthly bulletin.
Annual report.
Communicable disease pamphlets.
Sex hygiene pamphlets.
Engineering bulletins.

MINNESOTA.

Board of health:
Egil Boeckmann, M. D., president, St. Paul.
C. L. Scofield, M. D., vice president, Benson.
N. M. Watson, M. D., Red Lake Falls.
A. E. Hedback, M. D., Minneapolis.
S. Mark White, M. D., Minneapolis.
L. P. Wolff, C. E., St. Paul.
O. W. Holcomb, M. D., St. Paul.
F. N. Hunt, M. D., Fairmont.
F. W. Cappelen, C. E., Minneapolis.
Executive health officer:
*** Charles E. Smith, jr., M. D.**, secretary and executive officer, St. Paul.
Division of records:
* O. C. Pierson, director, St. Paul.
Division of preventable diseases:
* A. J. Chesley, M. D., director, Minneapolis.
Pasteur Institute:
* O. McDaniel, chief, assistant director of division of preventable diseases, Minneapolis.
Division of sanitation:
* H. A. Whittaker, B. A., director, Minneapolis.
Division of vital statistics:
* Mrs. Gerda C. Pierson, director, St. Paul.
Division of tuberculosis:
* Charles E. Smith, jr., M. D., director, St. Paul.

MINNESOTA—Continued.

Division of venereal diseases:
H. G. Irvine, M. D., director, St. Paul.
*L. W. Feezer, assistant director, St. Paul.
Mabel S. Ulrich, M. D., supervisor of social hygiene education, St. Paul.
*Charlotte A. Feezer, chief social worker.
Appropriations for fiscal year ending July 31, 1921:

General fund	$17,772
Vital statistics	10,000
Communicable diseases	25,000
Laboratories	30,000
Pasteur institute	11,435
Sanitary engineering	7,000
Free antitoxin	10,000
Prevention of blindness	1,000
Infectious-disease carriers	500
Infantile paralysis	5,000
Venereal diseases	30,000
Total	147,707

Other sources of revenue:
Aid from county and city for branch laboratory at Duluth, $1,200.
Aid from Federal Government for venereal diseases, $12,300.
Publications issued by health department:
Educational pamphlets.
Biennial report.

MISSISSIPPI.

Board of health:
J. H. McNeill, M. D., president, Olive Branch.
B. Lampton Crawford, M. D., Tylertown.
T. F. Elkin, M. D., Tupelo.
H. F. Garrison, M. D., Clinton.
W. W. Hall, M. D., Gunnison.
L. L. McDougal, M. D., Booneville.
C. D. Mitchell, M. D., Jackson.
I. L. Parsons, M. D., Brookhaven.
T. W. Reagan, M. D., Union.
David Walley, M. D., Richton.
W. H. Watson, M. D., Brandon.
J. H. Windham, M. D., Ecru.
Executive health officer:
***W. S. Leathers, M. D.**, secretary State board of health, Jackson.
Bureau of vital statistics:
*R. W. Hall, M. D., director, Jackson.
Hygienic laboratory:
*C. R. Stingily, M. D., director, Jackson.
Sanitary inspector:
*Cyrus M. Shipp, M. D., chief, Jackson.
Bureau of rural sanitation:
*Challes Cross, M. D., director, Tupelo.
Bureau of venereal diseases:
*Hardie Hays, M. D., director.
Bureau of public health nursing:
*Nannie Lackland, R. N., director, Jackson.
Appropriations for fiscal year ending Dec. 31, 1920:

Administrative office	$30,000
Bureau of vital statistics	12,000
Municipal sanitation	12,000
Rural sanitation	40,000
Hygienic laboratory	20,000
Child welfare	10,000
Venereal diseases	20,000
Total	144,000

NOTE.—Appropriations for fiscal year ending Dec. 31, 1921, the same as above, excepting appropriation for child welfare, which is $30,000.

MISSISSIPPI—Continued.

Publication issued by health department:
Biennial report.
Monthly bulletin.

MISSOURI.

Board of health:
W. A. Clark, M. D., president, Jefferson City.
W. J. Ferguson, M. D., vice president, Sedalia.
Geo. H. Jones, M. D., secretary, Jefferson City.
E. P. North, M. D., St. Louis.
T. A. Son, M. D., Bonne Terre.
T. W. Cotton, M. D., Van Buren.
T. H. Wilcoxen, M. D., Bowling Green.
Executive health officer:
***Geo. H. Jones, M. D.**, secretary State board of health, Jefferson City.
Division of venereal diseases:
*R. L. Russell, M. D., director, Jefferson City.
Division of child hygiene:
*C. P. Knight, M. D., P. A. Surg., U. S. P. H. S., director, Jefferson City.
Statistician:
*C. J. Kaiser, Jefferson City.
Appropriations for biennial period ending Dec. 31, 1920:

Board of health fund, bureau of licenture	$15,000
Salaries	25,000
Printing	6,000
Postage	4,000
Office expenses	2,500
Total	52,500

Publication issued by health department:
Annual report.

MONTANA.

Board of health:
D. J. Donohue, M. D., president, Butte.
L. H. Fligman, M. D., vice president, Helena.
E. G. Balsam, M. D., Billings.
B. L. Pampel, M. D., Livingston.
E. M. Porter, M. D., Great Falls.
Executive health officer:
***W. F. Cogswell, M. D.**, secretary, Helena.
Division of communicable diseases:
*John J. Sippy, M. D., epidemiologist, Helena.
Division of child welfare:
*Laurie Jean Reid, R. N., director, Helena.
*Marion L. Fox, educational secretary, Helena.
Division of food and drugs:
*H. M. Shea, director, Helena.
Division of social hygiene:
*F. J. O'Donnell, director, Helena.
Division of vital statistics:
*W. F. Cogswell, M. D., State registrar, Helena.
Division of water and sewage:
*W. M. Cobleigh, director, Bozeman.
*H. B. Foote, bacteriologist, Bozeman.
Water and sewage laboratory and food and drug laboratory:
*W. M. Cobleigh, director, Bozeman.
*R. C. Sherwood, analyst, Bozeman.
Hygienic laboratory:
*E. D. Hitchcock, M. D., director, Helena.
*Hugh G. Jeter, A. B., assistant bacteriologist, Helena.

MONTANA—Continued.

Appropriations for fiscal year ending Feb. 28, 1921:

Salaries	$8,900.00
Division of child welfare	4,000.00
Expenses board of health	4,000.00
Hygenic laboratory	8,000.00
Inspection of water plants	4,000.00
Food and water laboratory	5,000.00
Enforcing food and drug law	6,000.00
Division of communicable diseases	18,000.00
Venereal-disease control work	4,088.76
Board of entomology (spotted fever work)	8,000.00
Division of vital statistics	3,000.00
Total	72,988.76

Other sources of revenue:
Fees for embalmers' license.
Publications issued by health department:
Monthly bulletin.
Special bulletins on communicable diseases.
Biennial report.

NEBRASKA.

Department of public welfare:
*H. H. Antles, secretary, Lincoln.
Bureau of health—
*W. H. Wilson, M. D, epidemiologist, Lincoln.
*L. O. Vose, A. M., bacteriologist, Lincoln.
*P. H. Bartholomew, M. D., director of division of venereal disease, Lincoln.
*May F. Hyland, statistician, Lincoln.
*Ben Juntington, C. E., sanitary engineer, Lincoln.
Executive health officer—
***I. H. Dillon, M. D.**, chief of bureau of health, Lincoln.
Bureau of social service.
Bureau of examining boards—
Medical examining board:
J. E. Spatz, M. D., Fairfield.
H. J. Lehnhaff, M. D., Lincoln.
F. T. McGuire, M. D., Mead.
Bureau of child welfare.
Children's code commission.
Appropriations for biennial period ending Mar. 31, 1921:

Salaries	$32,040.00
Maintenance	20,000.00
Venereal-disease control	25,925.50
Total	77,965.50

NEVADA.

Board of health:
Emmet D. Boyle, governor, president, Carson City.
S. L. Lee, M. D., secretary, Carson City.
George Brodigan, secretary of state.
W. H. Hood, M. D., Reno.
G. F. Ruediger, M. D., Reno.
Executive health officer:
***S. L. Lee, M. D.**, secretary State board of health, Carson City.
State hygienic laboratory at State University:
*G. F. Ruediger, M. D., director, Reno.

NEVADA—Continued.

Appropriations for fiscal year ending Dec. 31, 1920:

Salary of secretary	$5,000
Epidemiologist, compensation	1,500
Epidemiologist, traveling expenses	500
State of board of health	3,000
Total	10,000

Publication issued by health department:
Biennial report.

NEW HAMPSHIRE.

Board of health:
Robert Fletcher, C. E., president, Hanover.
D. E. Sullivan, M. D., Concord.
George C. Wilkins, M. D., Manchester.
Sibley G. Morrill, M. D., Concord.
John H. Bartlett, governor, Portsmouth.
Oscar L. Young, attorney general, Laconia.
Executive health officer:
***Charles Duncan, M. D.**, secretary State board of health, Concord.
Laboratory of hygiene:
*Charles D. Howard, chemist, Concord.
*Clara Isreali, M. D., bacteriologist, Concord.
*Joseph X. Duval, inspector, Concord.
Robert Fletcher, C. E., engineer, Hanover.
Bacteriological laboratory:
H. N. Kingsford, M. D., bacteriologist, Hanover
Venereal disease division:
*Charles A. Weaver, M. D, Manchester.
Appropriations for fiscal year ending Aug. 31, 1921:

State board of health	$14,150
Laboratory of hygiene	12,100
Vital statistics	4,200
Lunacy commission	1,300
Total	31,750

Publications issued by health department:
Quarterly bulletin.
Biennial report.

NEW JERSEY.

Board of health:
J. Oliver McDonald, M. D., president, Trenton.
Henry Spence, M. D., vice president, Jersey City.
Oliver Kelly, Oak Tree.
Clyde Potts, C. E., Morristown.
H. E. Winter, V. M. D., Plainfield.
Thomas B. Lee, M. D., Camden.
Harold J. Harder, C. E., Paterson.
David D. Chandler, Newark.
Executive health officers:
***Jacob C. Price, M. D.**, director of health, Trenton.
Laboratory of hygiene:
*R. B. Fitz-Randolph, chief, Trenton.
Division of general administration:
*Charles J. Merrell, chief, Trenton.
Bureau of food and drugs:
*Walter W. Scofield, jr., chief, Trenton.
Bureau of medical supervision:
*A. C. Hunt, M. D., chief, Trenton.
Bureau of child hygiene:
Julius Levy, M. D., consultant, Trenton.

NEW JERSEY—Continued.

Bureau of local health administration:
*David C. Bowen, chief, Trenton.
Bureau of engineering:
*H. P. Croft, chief, Trenton.
Bureau of vital statistics:
*David S. South, chief, Trenton.
Bureau of venereal disease control:
A. J. Casselman, M. D., chief, Trenton.
Appropriations for fiscal year ending June 30, 1921:

Salaries	$129,320.00
Miscellaneous	52,000.00
Child hygiene	150,000.00
Venereal disease control	27,586.22
Total	358,906.22

Publications issued by health department:
Monthly bulletin.
Annual report.

NEW MEXICO.

Board of health:
Mrs. A. Otero-Warren, chairman, Santa Fe.
A. G. Shortle, M. D., Albuquerque.
John Tombs, secretary, Albuquerque.
Executive health officer:
***C. E. Waller, M. D.**, U. S. P. H. S., temporary commissioner of health, Santa Fe.
Division of preventable diseases:
*G. S. Luckett, M. D., chief, Santa Fe.
Division of sanitary engineering and sanitation:
*Harold F. Gray, M. S., Gr. P. H., chief, Santa Fe.
Division of tuberculosis:
Clinton P. Anderson, chief, Albuquerque.
Division of public health, nursing, and child hygiene:
*Margaret Tupper, R. N., chief, Santa Fe.
Bacteriologist:
*Myrtle Greenfield, M. A., Albuquerque.
Appropriation for fiscal year ending Nov. 30, 1920, $13,000.

NEW YORK.

Public health council:
Herman M. Biggs, chairman, Albany.
Joseph A. Warren, secretary, New York.
Homer Folks, New York.
Simon Flexner, M. D., New York.
Prof. Henry N. Ogden, Ithaca.
T. Mitchell Prudden, M. D., New York.
Jacob Goldberg, M. D., Buffalo.
Mrs. Ella L. Blair, New York.
Executive health officer:
Herman M. Biggs, M. D., commissioner of health, Albany.
Deputy commissioner of health:
Mathias Nicoll, jr., M. D., Albany.
Secretary:
John A. Smith, M. D., Albany.
Executive clerk:
Fenimore D. Beagle, Albany.
Division of public health education:
B. R. Rickards, S. B., assistant to deputy commissioner, Albany.
Division of sanitary engineering:
Theodore Horton, C. E., director, Albany.

NEW YORK—Continued.

Division of vital statistics:
Otto R. Eichel, M. D., director, Albany.
Division of child hygiene:
M. Edgar Rose, M. D., director, Albany.
Division of communicable diseases:
Edward S. Godfrey, M. D., director, Albany.
Division of tuberculosis:
Malcolm T. Lent, M. D., supervisor, Albany.
Bureau of venereal diseases:
J. S. Lawrence, M. D., chief, Albany.
Division of laboratories and research:
Augustus B. Wadsworth, M. D., director, Albany.

Appropriations for fiscal year ending June 30, 1921:

Personal services	$585,870
Fuel, light, power, and water	12,000
Printing	60,000
Printing, departmental reports	6,000
Advertising	200
Equipment and supplies	102,000
Traveling expenses	82,300
Communication	19,500
General plant service	4,900
Care of typhoid carriers	1,000
Influenza epidemic and other respiratory diseases	50,000
Rent, branch offices and laboratory	5,580
Venereal-disease control work	29,200
Total	958,550

Other sources of revenue:
Fees from certified transcripts of birth, death, and marriage certificates, and registration of laboratories, approximately $1,000 per annum.
Licensing laboratories, $100.
Sale of serums, $12,000.

Publications issued by health departments:
Monthly health news.
Health officers bulletin.
Nurses bulletin.
Vital statistics bulletin.

NORTH CAROLINA.

Board of health:
J. Howell Way, M. D., president, Waynesville.
Richard H. Lewis, M. D., LL.D., Raleigh.
J. L. Ludlow, C. E., Winston-Salem.
Thomas E. Anderson, M. D., Statesville.
A. J. Crowell, M. D., Charlotte.
Chas. O'H. Laughinghouse, M. D., Greenville.
E. J. Tucker, D. D. S., Roxboro.
Cyrus Thompson, M. D., Jacksonville.
F. R. Harris, M. D., Henderson.

Executive health officer:
W. S. Rankin, M. D., secretary State board of health and State health officer, Raleigh.

Public health education:
Ronald B. Wilson, director, Raleigh.

Bureau of tuberculosis:
L. B. McBrayer, M. D., chief of bureau, and superintendent of the State sanatorium, Raleigh.

Laboratory of hygiene:
C. A. Shore, M. D., director, Raleigh.

NORTH CAROLINA—Continued.

Deputy State registrar:
F. M. Register, M. D., Raleigh.
Bureau of medical inspection of schools:
G. M. Cooper, M. D., director, Raleigh.
Bureau of engineering and inspection:
H. E. Miller, C. E., director, Raleigh.
Bureau of venereal diseases:
Millard Knowlton, M. D., director, Raleigh.
Bureau of public health nursing and infant hygiene:
Miss Rose M. Ehrenfeld, R. N., director, Raleigh.
Bureau of county health work:
K. E. Miller, M. D., director, Raleigh.
Bureau of epidemiology:
J. S. Mitchener, M. D., chief, Raleigh.
North Carolina Sanatorium:
L. B. McBrayer, M. D., superintendent, Sanatorium.

Appropriations for fiscal year ending Nov. 30, 1920:

State board of health	$57,225.00
Vital statistics	10,000.00
Laboratory of hygiene	25,000.00
Tuberculosis sanatorium	65,000.00
School inspection	50,000.00
Rural sanitation	27,500.00
Control of disease	6,000.00
Prevention of blindness	3,000.00
Venereal-disease control work	23,988.61
	267,713.61

Other sources of revenue:

International health board	$18,838.50
Federal Government	20,000.00
American Red Cross	6,000.00
Counties, for county health work	125,805.00
Fees paid the laboratory and inspection taxes on privies	45,000.00

Publications issued by health department:
Monthly bulletin.
Biennial report.

NORTH DAKOTA.

Board of health:
William Langer, attorney general, president, Bismarck.
J. A. Halgren, M. D., vice president, Bismarck.
C. J. McGurren, M. D., secretary, Devils Lake.

Executive health officer:
C. J. McGurren, M. D., secretary State board of health, Devils Lake.

Appropriations for biennial period ending June 30, 1921:

Salaries (specific)	$5,520
Miscellaneous	5,200
Total	10,720

Publications issued by health department:
Quarterly bulletin.
Annual statistical data.
Biennial report.

OHIO.

Public health council:
G. D. Lummis, M. D., chairman, Middletown.
C. O. Probst, M. D., Columbus.
W. I. Jones, D. D. S., Columbus.
R. M. Calfee, Cleveland.

OHIO—Continued.

Public health council—Continued.
Allen W. Freeman, M. D., commissioner of health, Columbus.
James E. Bauman, secretary, Columbus.
Executive health officer:
*Allen W. Freeman, M. D., commissioner of health, Columbus.
Division of administration:
*James E. Bauman, deputy commissioner of health, director, Columbus.
Bureau of publicity—
*Harriet E. Daily, chief, Columbus.
Division of sanitary engineering:
*W. H. Dittoe, chief engineer, Columbus.
Bureau of plumbing inspection—
*A. E. Smith, chief, Columbus.
Division of communicable diseases:
*Frank G. Boudreau, M. D., C. M., director, Columbus.
Bureau of trachoma clinics—
*Robert Lockhart, M. D., chief, Columbus.
Division of hygiene:
*R. G. Leland, M. D., director, Columbus.
Bureau of child hygiene—
*Natalie Merrill, chief, Columbus.
Bureau of public health nursing—
*Hulda R. Cron, R. N., chief, Columbus.
Bureau of venereal diseases—
*R. G. Leland, M. D., chief, Columbus.
Bureau of hospitals—
*Henry J. Southmayd, chief, Columbus.
Bureau of tuberculosis—
*R. G. Leland, M. D., chief, Columbus.
Division of laboratories:
*Fred Berry, M. A., director, Columbus.
Division of industrial hygiene:
*E. B. Starr, M. D., director, Columbus.
Appropriations for fiscal year ending June 30, 1921:

Personal services	$143,600
Maintenance	67,600
State aid for health districts	200,000
Total	411,200

Publication issued by health department:
Monthly public health journal.

OKLAHOMA.

Executive health officer:
*A. R. Lewis, M. D., commissioner of health, Oklahoma City.
Assistant commissioner of health:
*J. P. Folan, Oklahoma City.
Chemist:
*W. A. Walker, Oklahoma City.
Bacteriologist:
*W. F. Keller, Oklahoma City.
Sanitary engineer:
*J. W. Evans, Oklahoma City.
Director of publicity:
*Fannie Inez Bell, Oklahoma City.
Bureau of vital statistics:
*Ethel R. Hawley, chief, Oklahoma City.
Appropriations for fiscal year ending June 30, 1921:

Salaries	$54,600
Biological supply	7,500
Sanitary inspection fund	2,500

OKLAHOMA—Continued.

Appropriations for fiscal year ending June 30, 1921—Continued

Traveling expenses of sanitary engineers	$3,000
Maintenance of laboratory	5,000
Maintenance of bureau of venereal diseases	18,000
Maintenance of clinics	25,000
Control of epidemics	10,000
Contingent	5,000
Printing	5,000
For assistance of indigent and honorably discharged soldiers who enlisted from the State	10,000
Total	145,600

Publication issued by health department:
Annual report.

OREGON.

Board of health:
C. T. Bacon, M. D., president, Portland.
R. J. Marsh, M. D., vice president, Portland.
Andrew C. Smith, M. D., Portland.
W. B. Morse, M. D., Salem.
W. H. Dale, M. D., Harrisburg.
F. M. Brooks, M. D., Portland.
Executive health officer:
*David N. Roberg, M. D., D. T. M., State health officer, Portland.
Registrar of vital statistics:
*David N. Roberg, M. D., Portland.
Bacteriologist:
Wilma Hemstock (acting), Portland.
Appropriation for fiscal year ending Dec. 31, 1920, $17,000.
Publications issued by health department:
Annual report.
Biennial report.
Pamphlets and posters.

PENNSYLVANIA.

Advisory board:
Charles B. Penrose, M. D., Philadelphia.
Adolph Koenig, M. D., Pittsburgh.
Edgar M. Green, M. D., Easton.
A. A. Cairns, M. D., City Hall, Philadelphia.
Lee Masterton, C. E., Johnstown.
Clarence J. Marshall, V. M. D., Philadelphia.
Executive health officer:
*Edward Martin, M. D., commissioner of health, Harrisburg.
Assistant commissioner of health:
*John D. McLean, M. D., Harrisburg.
Assistant to the commissioner:
*Thomas W. Jackson, M. D., Harrisburg.
Executive secretary:
*James F. McCoy, Harrisburg.
Assistant to executive secretary:
*Edna Hosler, Harrisburg.
Division of medical inspection:
*Howard L. Hull, M. D., chief medical inspector, Harrisburg.
Division of school health:
*George K. Strode, M. D., chief, Harrisburg.
Division of laboratories:
*John L. Laird, M. D., chief of laboratories, Philadelphia.

PENNSYLVANIA—Continued.

Division of sanatoria:
*Theodore L. Hazlett, M. D., medical director, Pennsylvania State sanatorium for tuberculosis No. 1, Mont Alto.
*W. G. Turnbull, M. D., medical director, Pennsylvania State sanatorium for tuberculosis No. 2, Cresson.
*— —, medical director, Pennsylvania State sanatorium for tuberculosis No. 3 Hamburg.
Division of Tuberculosis dispensaries:
*— —.
Division of genito-urinary dispensaries:
*S. Leon Gans, M. D., chief, Harrisburg.
Division of supplies and biological products:
*Roy G. Miller, chief, Harrisburg.
Division of engineering:
*C. A. Emerson, jr., chief engineer, Harrisburg.
Bureau of housing:
*John Molitor, chief, Harrisburg.
Bureau of Public Service:
*D. V. Ness, chief, Harrisburg.
Bureau of Vital Statistics:
*Wilmer R. Batt, M. D., State registrar, Harrisburg.
Division of Accounts:
*Clinton T. Williams, chief, Harrisburg.
Division of purchasing:
*Charles H. Clappier, jr., chief, Harrisburg.
Division of child health:
*Ellen C. Potter, M. D., chief, Harrisburg.
Bureau of Drug Control:
*Thomas S. Blair, M. D., chief, Harrisburg.
Division of public health education:
*William C. Miller, M. D., chief, Harrisburg.
Division of nurses:
*Alice M. O'Halloran, chief, Harrisburg.
Division of newspapers:
*Lida R. Beckwith, chief, Harrisburg.
Appropriations for biennial period ending May 31, 1921:

Tuberculosis work	$2,784,395
General fund	1,463,361
School inspection	250,000
Salaries	837,132
Total	5,334,888

PHILIPPINE ISLANDS.

Council of hygiene, advisory board to the director of health:
Fernando Calderon, M. D., president, Manila.
Manuel Gomez, M. D., secretary, Manila.
Manuel Guerrero, M. D., Manila.
José Albert, M. D., Manila.
Benito Valdez, M. D., Manila.
Anacleto Diaz, Manila.
Tomas Earnshaw, Manila.
Executive health officer:
***Vicente de Jesus, M. D.**, acting director of health, Manila.
Assistant director of health:
*Vicente de Jesus, M. D., Manila.
Division of provisional sanitation:
*Eugenio Hernando, M. D., chief, Manila.

PHILIPPINE ISLANDS—Continued.

Division of city and Manila sanitation:
*Salvador V. del Rosario, M. D., chief, Manila.
Office of statistics:
*Manuel Gomez, M. D., chief, Manila.
Office of sanitary engineering:
*Edward L. Barber, chief, Manila.
Office of hygienic and industrial development:
*José P. Bantug, M. D., chief, Manila.
Office of district nursing:
*Carmen R. Leogardo, R. N., chief, Manila.
Clerical office:
*Michael J. Walsh, chief, Manila.
Office of property:
*Bertrand D. Burnham, chief, Manila.
Appropriations for fiscal year ending Dec. 31, 1920:

Salaries and wages	$508,719
Miscellaneous expenses	987,278
Furniture and equipment	21,850
Total	1,517,847

Publications issued by health service:
Quarterly report.
Annual report.
Occasional bulletins.

PORTO RICO.

Insular board of health:
Francisco del Valle Atiles, M. D., president, San Juan.
José Lugo Vina, M. D., secretary, San Juan.
Rafael Bernabe, M. D., San Juan.
José J. Monclova, pharmacist, Rio Piedras.
Gustavo Muñoz Diaz, M. D., San Juan.
José S. Belaval, M. D., San Juan.
Juan Hernández López, lawyer, San Juan.
Francis W. Dalrymple, engineer, San Juan.
Executive health officer:
***Alejandro Ruiz Soler, M. D.**, comissioner of health, San Juan.
*Antonio Fernós Isern, M. D., assistant commissioner of health, San Juan.
Division of property and accounts:
*Antonio Llabrés, chief, San Juan.
Division of sanitary engineering:
*Etienne Totti, sanitary engineer, San Juan.
Bacteriological laboratory:
*F. J. Hernández, M. D., director, San Juan.
Chemical laboratory:
*R. del Valle Sárraga, chemist, director, San Juan.
Division of transmissible diseases and statistics:
*Pedro N. Ortiz, M. D., chief, San Juan.
Appropriations for fiscal year ending June 30, 1921:

Department of health (proper), salaries and contingent expenses	$128,684.00
Leper colony	22,288.50
Quarantine hospital	14,414.00
Mosquito extermination	30,000.00
Suppression of anemia	30,000.00
Emergency fund for control and suppression of epidemics (unexpended balance previous year)	10,000.00
Trust funds for control and suppression of epidemics (fines for violation of sanitary regulations)	3,033.88
Care of tuberculosis patients	50,000.00

PORTO RICO—Continued.

Appropriations for fiscal year ending June 30, 1921—Continued.

Education and support of poor deaf-mute children	$1,200.00
Girls' charity school	79,179.00
Boys' charity school	105,341.00
Blind asylum	34,129.50
Insane asylum	111,129.00
Field force	100,460.00
Total	719,849.88

Publication issued by health department:
Annual report.

RHODE ISLAND.

Board of health:
R. Morton Smith, M. D., president, Riverpoint.
Thomas J. McLaughlin, M. D., vice president, Woonsocket.
Alexander B. Briggs, M. D., Ashaway.
Norman M. MacLeod, M. D., Newport.
William F. Williams, M. D., Bristol.
Joseph M. Bennett, M. D., Providence.
M. S. Budlong, M. D., Providence.

Executive health officer:
*B. U. Richards, M. D., secretary State board of health and State registrar, Statehouse, Providence.

Pathologist:
*Lester A. Round, Providence.

Chemist:
*Stephen De M. Gage, Providence.

Appropriations for fiscal year ending Dec. 31, 1920:

Executive department	$15,500
Chemical laboratory	15,000
Pathological laboratory	18,000
Child-welfare division	10,000
Prosecuting cases of illegal medical practice	2,500
Total	61,000

Publications issued by health department:
Quarterly bulletin.
Annual report of births, deaths, and marriages.
Annual report of State board of health.

SOUTH CAROLINA.

Executive committee, board of health:
Robert Wilson, jr., M. D., chairman, Charleston.
R. A. Marsh, M. D., Edgefield.
C. C. Gambrell, M. D., Abbeville.
E. A. Hines, M. D., Seneca.
W. J. Burdell, M. D., Lugoff.
William Egleston, M. D., Hartsville.
W. W. Dodson, Ph. G., Greenville.
W. M. Lester, M. D., Columbia.
Samuel M. Wolfe, attorney general, Columbia.
Rut. L. Osborne, comptroller general, Columbia.

Executive health officer:
*James A. Hayne, M. D., State health officer, Columbia.

Department of county health units:
*L. A. Riser, M. D., Columbia.

SOUTH CAROLINA—Continued.

Bureau of child hygiene and supervisor of public health nursing:
*Mrs. Ruth A. Dodd, R. N., Columbia.

Bureau of venereal diseases:
*C. V. Akin, M. D., U. S. P. H. S., Columbia.

Laboratory department:
*F. A. Coward, M. D., in charge, Columbia.
*J. R. Cain, M. A., B. S., chief bacteriologist, Columbia.

Bureau of vital statistics:
*C. W. Miller, Columbia.

Bacteriologist and chemist:
F. L. Parker, jr., M. D., Ph. D., Columbia.

South Carolina sanatorium:
*Ernest Cooper, M. D., superintendent, Columbia.

Field secretary, South Carolina sanatorium:
*Mrs. A. I. Rombert, Columbia.

Sanitary engineer:
*E. L. Filby, C. E., Columbia.

State hotel inspector:
*J. H. Woodward, Columbia.

Appropriations for fiscal year ending Dec. 31, 1920:

Administrative office	$55,363.14
Bureau of child hygiene	12,440.00
Bureau of vital statistics	6,000.00
Division of venereal disease control	33,886.00
Laboratory	10,750.00
Bureau of rural sanitation	27,000.00
Malaria cooperative work	10,000.00
Tuberculosis sanatoria	64,955.00
Total	220,394.14

Publications issued by health department:
Annual report.
Bulletins of various departments.

SOUTH DAKOTA.

Board of health and medical examiners:
J. W. Freeman, M. D., president, Lead.
R. D. Alway, M. D., vice president, Aberdeen.
J. Howard Smith, M. D., Huron.
H. R. Kenaston, M. D., director, division of medical licensure, Bonesteel.
Mrs. E. P. Wanzer, State director of public health nursing, Armour.
Miss Mary Frazer, State supervising nurse, Waubay.
J. C. Ohlmacher, M. D., director State health laboratory, Vermillion.
Sherman Lull, M. D., director division of venereal diseases, Waubay.
Park B. Jenkins, M. D., superintendent, division of vital statistics, Waubay.

Executive health officer:
Park B. Jenkins, M. D., superintendent and executive officer, Waubay.

Appropriations for fiscal year ending June 30, 1921:

Salary of superintendent	$2,000.00
Salary assistant superintendent, stenographers, office maintenance, equipment, stationery, clerical work, special assistance, traveling expenses, and incidentals	16,000.00

SOUTH DAKOTA—Continued.

Appropriations for fiscal year ending June 30, 1921—Continued.

Printing and necessary publications	$4,000.00
Per diem, expense, and mileage of four members	1,500.00
Biological products	2,000.00
Division of medical licensure	900.00
Division of venereal diseases	6,906.12
Total	33,306.12

Publications issued by health department:
Quarterly bulletion.
Mothers' book.
Biennial report.

TENNESSEE.

Board of health:
E. M. Sanders, M. D., president, Nashville.
W. J. Miller, M. D., vice president, Johnson City.
C. B. A. Turner, M. D., Dyer.
F. M. McRee, M. D., Nashville.

Executive health officer:
*Olin West, M. D., secretary State board of health, Nashville.

Registrar of vital statistics:
*H. L. Baugh, M. D., Nashville.

Director of rural sanitation:
*E. L. Bishop, M. D., Nashville.

Sanitary engineer:
*C. N. Harrub, B. S., associate sanitary engineer, U. S. P. H. S., Nashville.

Director, division oral hygiene:
*A. G. Buckner, D. D. S., Nashville.

Bacteriologist:
William Litterer, M. D., Nashville.

Pure food and drug inspector:
*H. M. Robertson, Nashville.

Appropriations for biennial period ending Mar. 19, 1921:

Laboratory	$12,000
Epidemic fund	5,000
Vital statistics	21,800
Rural sanitation	25,900
Administration, office, etc.	18,000
Trachoma hospital	500
Total	83,200

Other sources of revenue:
International health commission, rural sanitation, $25,900.
Individual counties varying sums for rural sanitation.

TEXAS.

Board of health:
C. W. Goddard, M. D., president, Austin.
W. L. Crosthwait, M. D., Waco.
Guy Reed, M. D., Beaumont.
W. L. Russ, M. D., San Antonio.
G. H. Sandefer, M. D., Abilene.
T. B. Fisher, M. D., Dallas.
E. M. Wood, M. D., Hutto.

Executive health officer:
*C. W. Goddard, M. D., State health officer, Austin.

TEXAS—Continued.

Assistant State health officer:
*W. H. Minton, M. D., Austin.

Registrar of vital statistics and secretary of State board of health:
*M. E. Parker, M. D., Austin.

Bureau of venereal diseases:
*Oscar Davis, M. D., director, Austin.

Bureau of child hygiene:
*Mrs. Ethel Parsons, field director, Austin.

Bureau of public health education:
*H. L. Wright, M. D., director, Austin.

Chemist and bacteriologist:
*G. M. Graham, M. D., Austin.

Sanitary engineer:
*V. M. Ehlers, C. E., Austin.

Bureau of rurel sanitation:
*Aleck P. Harrison, M. D., director, Austin.

Appropriations for biennial period ending Aug. 31, 1920:

General	$152,400
Special for rural sanitation	62,800
Venereal-disease control work	105,200
Bureau of vital statistics	15,700
Maintenance of lepers	24,300
Indexical survey	12,000
Total	372,400

Publications issued by health department:
Biennial report.
Monthly health magazine.
Pamphlets, leaflets, and placards.

UTAH.

Board of health:
Fred Stauffer, M. D., president, Salt Lake City.
T. B. Beatty, M. D., secretary, Salt Lake City.
H. K. Merrill, M. D., Logan.
Ezra Rich, M. D., Ogden.
C. E. McDermid, M. D., Castle Gate.
A. F. Doremus, C. E., Salt Lake City.
J. F. Critchlow, M. D., Salt Lake City.

Executive health officer:
T. B. Beatty, M. D., State health commissioner, Salt Lake City.

Appropriations for biennial period ending Mar. 31, 1921:

Salaries	$15,000
Contingent account	15,000
Vital statistics account	3,000
Venereal-disease control work	8,000
Total	41,000

Publications issued by health department:
Quarterly bulletin.
Biennial report.

Fiscal year ends Dec. 31.

VERMONT.

Board of health:
F. Thomas Kidder, M. D., president, Woodstock.
William T. Slayton, M. D., Morrisville.
Charles F. Dalton, M. D., secretary, Burlington.

Executive health officer:
*Charles F. Dalton, M. D., secretary State board of health, Burlington.

Laboratory of hygiene:
*B. H. Stone, M. D., director, Burlington.

VERMONT—Continued.

Sanitary engineer:
J. W. Votey, C. E., Burlington.
Sanitary inspector:
*Henri L. Pache, M. D., Burlington.
Division of venereal diseases:
*Henri L. Pache, M. D., Burlington.
Division of tuberculosis:
*H. W. Slocum, A. B., Burlington.
Appropriations for fiscal year ending June 30, 1921:

Salaries and expenses	$10,250
Laboratory of hygiene	18,000
Tuberculosis	2,000
Other expenses	4,750
District health officers	35,000
Total	70,000

Other source of revenue:
Private donation for study and treatment of infantile paralysis.
Publications issued by health department:
Quarterly bulletin.
Biennial report.

VIRGINIA.

Board of health:
W. M. Smith, M. D., president, Alexandria.
B. R. Tucker, M. D., vice president, Richmond.
J. B. Fisher, M. D., secretary, Midlothian.
W. W. Baker, Hallsboro.
Isaac Pierce, M. D., Tazewell.
W. F. Drewry, M. D., Petersburg.
H. T. Marshall, M. D., University of Virginia
Guy R. Harrison, D. D. S., Richmond.
George B. Lawson, M. D., Roanoke.
Edward McGuire, M. D., Richmond.
S. A. Sutton, M. D., Norfolk.
G. L. Morriss, M. D., Buckingham.
Executive health officer:
***Ennion G. Williams, M. D.**, State health commissioner, Richmond.
Assistant health commissioner:
*Roy K. Flannagan, M. D., Richmond.
Registrar of vital statistics:
*W. A. Plecker, M. D., Richmond.
Bacteriologist:
*E. C. L. Miller, M. D., Richmond.
Sanitary engineer:
*Richard Messer, C. E., Richmond.
Appropriations for fiscal year ending Feb. 28, 1921:

Administration	$20,294.00
Sanitary engineering	15,750.00
Publicity	6,000.00
Rural sanitation	20,000.00
Malaria	5,000.00
Inspection of hotels and convict camps	3,500.00
Laboratory	10,000.00
Child welfare and school inspection	28,500.00
Public health nursing	6,100.00
Venereal diseases	14,943.72
Control of epidemics	5,000.00
Vital statistics	18,510.00
Prevention of blindness	2,500.00
Total	156,097.72

VIRGINIA—Continued.

Publications issued by health department:
Monthly bulletin.
Annual report.

WASHINGTON.

Board of health:
Mrs. R. C. McCredie, president, Sunnyside.
F. R. Hedges, M. D., Everett.
J. R. Brown, M. D., Tacoma.
A. E. Stuht, M. D., Spokane.
E. F. Benson, commissioner of agriculture, Olympia.
Executive health officer:
***John B. Anderson, M. D.**, State commissioner of health, Seattle.
Epidemiologist:
*V. J. Capron, M. D., Seattle.
Sanitary Engineer:
*C. E. Dorisy, Seattle.
Venereal disease officer:
*William N. Van Patten, M. D., Seattle.
Bacteriologist:
*Mae E. Larkin, Seattle.
Appropriations for biennial period ending Mar. 31, 1921:

Salaries	$42,400
Supplies, material, and service	24,715
Venereal-disease control work	25,000
Total	92,115

Publication issued by health department:
Biennial report.

WEST VIRGINIA.

Public health council:
Vincent T. Churchman, M. D., president, Charleston.
S. L. Jepson, M. D., commissioner of health, Charleston.
J. L. Pyle, M. D., Chester.
Hubert E. Gaynor, M. D., Parkersburg.
H. E. Sloan, M. D., Clarksburg.
W. T. Henshaw, M. D., Martinsburg.
Edward H. Thompson, Bluefield.
Executive health officer:
***S. L. Jepson, M. D.**, commissioner of health, Charleston.
Division of preventable diseases:
*Carl F. Raver, M. D., B. S., M. P. H., director, Charleston.
Division of sanitary engineering:
*Ellis S. Tisdale, B. S., director, Charleston.
*R. D. Bates, B. S., assistant engineer, Charleston.
Division of vital statistics:
*Carl F. Raver, M. D., B. S., M. P. H. (acting), Charleston.
Hygienic laboratory:
*Charles E. Gabel, Ph. D., Charleston.
Mrs. Lucy F. Gabel, chemist, Charleston.
Elsie Knows, assistant bacteriologist, Charleston.
Division of child welfare:
Mrs. Jean T. Dillon, director, Charleston.

WEST VIRGINIA—Continued.

Bureau of antivenereal diseases:
*F. F. Farnsworth, M. D., director, Charleston.
Bureau of rural sanitation:
*Dwight M. Lewis, M. D., director, Charleston.
Appropriations for fiscal year ending June 30, 1921:

For general use	$31,460
Salary of commissioner	4,800
Office rent	1,680
Bureau of venereal diseases	7,000
Total	44,940

Other sources of revenue:
Fees from granting certificates to practice medicine.
Fees from laboratory work for private individuals.
Publications issued by health department:
Quarterly bulletin.
Annual report.

WISCONSIN.

Board of health:
Wm. F. Whyte, M. D., president, Madison.
C. H. Sutherland, M. D., Janesville.
E. S. Hayes, M. D., Eau Claire.
G. Windesheim, M. D., Kenosha.
C. A. Richards, M. D., Rhinelander.
Otho Fiedler, M. D., Sheboygan.
C. A. Harper, M. D., State health officer, Madison.
L. W. Hutchcroft, assistant State health officer, Madison.
Executive health officer:
*C. A. Harper, M. D., State health officer, Madison.
Bureau of vital statistics:
*C. A. Harper, M. D., State registrar, Madison.
Bureau of communicable diseases:
*Robert Olesen, M. D., acting director, Madison.
Bureau of sanitary engineering:
*C. M. Baker, State sanitary engineer, Madison.
*E. J. Tully, chemical engineer, Madison.
Bureau of education:
*L. W. Bridgman, acting director, Madison.
Bureau of child welfare and public health nursing
*Mrs. Mary P. Morgan, director, Madison.
Bureau of plumbing and domestic sanitary engineering:
*Frank R. King, State domestic sanitary engineer, Madison.

WISCONSIN—Continued.

Bureau of social hygiene:
*I. F. Thompson, M. D., director, Madison.
Laboratory service:
*W. D. Stovall, M. D., director State laboratories, Madison.
*M. S. Nichols, chemist State laboratory, Madison.
*Katherine Wattawa, director branch laboratory, Rhinelander.
*Allen Watson, director cooperative laboratory, Superior.
*Lucille Works, director cooperative laboratory, Oshkosh.
*G. Windesheim, M. D., director cooperative laboratory, Kenosha.
*C. D. Partridge, M. D., director cooperative laboratory, Wausau.
Appropriations for fiscal year ending June 30, 1920:

General administration	$50,000
Emergency appropriation for epidemics	7,500
Branch laboratory and State cooperative laboratories	7,950
Prevention of infantile blindness	1,500
Venereal-disease control work	25,000
Bureau of sanitary engineering	10,000
Licensing of embalmers, hotels and restaurants, plumbers, and barbers	38,000
Total	139,950

Publications issued by health department:
Quarterly bulletin.
Biennial report.

WYOMING.

Board of health:
Albert B. Tonkin, M. D., president, Riverton.
Fred A. Hodson, M. D., vice president, Sheridan.
C. Y. Beard, M. D., secretary, Cheyenne.
C. Dana Carter, M. D., Thermopolis.
Edw. S. Lauzer, M. D., Rock Springs.
Executive health officer:
C. Y. Beard, M. D., secretary State board of health, Cheyenne.
Appropriations for biennial period ending Mar. 31, 1921:

State board of health	$10,000
Vital statistics	2,000
Total	12,000

Publication issued by health department:
Biennial report.

PRINCIPAL CAUSES OF DEATH, MAY AND JUNE, 1920.

The accompanying table is reprinted, by permission, from the Statistical Bulletin of the Metropolitan Life Insurance Co. for July, 1920. The figures are based on a strength of approximately 13,000,000.

Death rates per 100,000 for principal causes, May and June, 1920, and year 1919.

[Industrial Department, Metropolitan Life Insurance Co.]

Causes of death.	Rate per 100,000 lives exposed.		
	June, 1920.	May, 1920.	Year, 1919.
Total, all causes	959.0	927.7	1,063.0
Typhoid fever	5.2	4.2	7.3
Measles	12.7	13.1	3.5
Scarlet fever	5.9	4.8	3.9
Whooping cough	6.9	6.2	3.2
Diphtheria	16.7	16.2	20.9
Influenza	15.7	25.4	96.9
Tuberculosis (all forms)	154.3	144.5	156.5
Cancer	73.8	62.9	67.0
Meningitis (all forms)	7.0	7.9	6.4
Cerebral hemorrhage	61.5	58.3	59.8
Organic diseases of heart	116.8	116.8	113.9
Pneumonia (all forms)	72.3	90.8	117.2
Other respiratory diseases	16.4	20.0	17.0
Diarrhea and enteritis	13.3	8.8	16.9
Bright's disease	71.8	70.4	73.5
Puerperal state	21.2	16.9	20.0
Suicides	7.5	6.0	6.8
Homicides	6.2	5.0	6.9
Other external causes (excluding suicides and homicides)	60.6	49.9	80.4
Traumatism by automobile	12.4	9.0	10.7
War deaths	(1)	(1)	16.6
All other causes	213.2	199.3	184.9

[1] Less than 0.05 per 100,000.

DEATHS DURING WEEK ENDED JULY 24, 1920.

[From the "Weekly Health Index," July 27, 1920, issued by the Bureau of the Census, Department of Commerce.]

Deaths from all causes in certain large cities of the United States during the week ended July 24, 1920, infant mortality (per cent), annual death rate, and comparison with corresponding week of preceding years.

City.	Population Jan. 1, 1920, subject to revision.	Week ended July 24, 1920.		Average annual death rate per 1,000.[2]	Per cent of deaths under 1 year.	
		Total deaths.	Death rate.[1]		Week ended July 24, 1920.	Previous year or years.[3]
Akron, Ohio	208,435	27	6.8	[3] 8.2	22.2	[3] 20.3
Albany, N. Y	113,344	19	8.7	C 9.7	10.5	C 14.3
Atlanta, Ga	200,616	58	15.1	C 10.3	24.1	C 5.1
Baltimore, Md	733,826	200	14.2	A 17.3	22.5	A 28.7
Birmingham, Ala	178,270	48	14.0	A 20.9	18.7	A 13.7
Boston, Mass	747,923	135	9.4	A 13.9	18.5	A 17.4
Bridgeport, Conn	143,152	30	10.9	.....	20.0	.....
Buffalo, N. Y	505,875	111	11.4	C 12.7	18.0	C 26.2
Cambridge, Mass	109,456	21	10.0	A 12.1	9.5	A 18.7
Chicago, Ill	2,701,212	453	8.7	A 12.4	14.8	A 21.3
Cincinnati, Ohio	401,158	94	12.2	C 11.9	11.7	C 13.2
Cleveland, Ohio	796,836	147	9.6	C 9.8	17.0	C 16.2
Columbus, Ohio	237,031	62	13.6	C 10.9	11.3	C 6.1
Dayton, Ohio	153,830	23	7.8	C 8.9	8.7	C 7.7
Denver, Colo	256,369	50	10.2	A 11.7	12.0	.....
Detroit, Mich	993,739	194	10.2	.....	31.4	.....
Fall River, Mass	120,485	23	10.0	C 13.0	26.1	C 16.7
Grand Rapids, Mich	137,634	31	11.7	C 8.8	16.1	C 17.4
Hartford, Conn	138,036	20	7.6	.....	10.0	.....
Indianapolis, Ind	314,194	83	13.8	C 11.9	18.1	C 15.5
Jersey City, N. J	297,864	68	11.9	C 10.6	19.1	C 15.0
Kansas City, Kans	101,078	23	11.9	.....	21.7	.....
Kansas City, Mo	[4] 313,785	35	5.8	C 10.6	31.4	C 14.1
Los Angeles, Calif	575,480	148	13.4	A 11.2	10.8	A 11.6
Louisville, Ky	234,891	57	12.7	C 14.7	17.5	C 15.2
Lowell, Mass	112,479	36	16.7	A 16.2	36.1	A 35.5
Memphis, Tenn	162,351	51	16.4	C 21.4	11.8	C 19.7
Milwaukee, Wis	457,147	66	7.5	A 10.2	15.2	A 18.2
Minneapolis, Minn	380,498	75	10.3	C 10.4	10.7	C 10.7
Nashville, Tenn	118,342	44	19.4	C 17.2	20.5	C 15.4
New Haven, Conn	162,390	40	12.8	C 6.2	22.5	C 21.1
New Orleans, La	387,408	113	15.2	A 16.7	15.0	A 12.1
New York, N. Y	5,621,151	1,000	9.3	C 9.5	19.6	C 19.0
Oakland, Calif	216,361	35	8.4	A 10.4	20.0	A 9.7
Omaha, Nebr	191,601	29	7.9	C 6.0	20.7	C 9.1
Philadelphia, Pa	1,823,158	334	9.6	[3] 13.8	17.4	[3] 24.1
Pittsburgh, Pa	588,193	143	12.7	C 14.0	15.4	C 20.4
Portland, Oreg	258,288	61	12.3	C 9.0	6.6	C 9.1
Providence, R. I	[4] 263,613	47	9.3	C 8.1	8.5	C 12.2
Richmond, Va	[4] 160,719	48	15.6	C 15.2	25.0	C 10.6
Rochester, N. Y	295,850	53	9.3	C 11.3	13.2	C 15.9
St. Louis, Mo	772,897	146	9.9	C 11.3	12.3	C 10.2
St. Paul, Minn	234,595	47	10.4	C 5.4	10.6	C 25.0
San Francisco, Calif	508,410	119	12.2	C 14.6	10.1	C 12.1
Seattle, Wash	315,652	35	5.8	A 8.0	17.1	A 14.7
Spokane, Wash	104,204	24	12.0	C 6.0	16.7	C 16.7
Springfield, Mass	129,338	19	7.7	.....	3.2	.....
Syracuse, N. Y	171,647	32	9.7	C 7.7	12.5	C 16.0
Toledo, Ohio	243,109	49	10.5	A 13.5	18.4	A 14.8
Trenton, N. J	119,289	30	13.1	A 19.6	23.3	A 34.5
Washington, D. C	437,571	99	11.8	A 15.0	27.3	A 17.9
Worcester, Mass	179,741	36	10.4	C 12.0	19.4	C 24.4
Yonkers, N. Y	100,226	19	9.9	.....	47.4	.....
Youngstown, Ohio	132,358	12	4.7	.....	25.0	.....

[1] Annual rates per 1,000 population.
[2] "A" indicates data for the corresponding week of the years 1913 to 1917, inclusive. "C" indicates data for the corresponding week of the year 1919.
[3] Data are based on statistics of 1915, 1916, and 1917.
[4] Population estimated as of July 1, 1918.

Summary of information received by telegraph from industrial insurance companies for week ended July 24, 1920.

Policies in force	42,627,283
Number of death claims	6,985
Death claims per 1,000 policies in force, annual rate	8.5

PREVALENCE OF DISEASE.

No health department, State or local, can effectively prevent or control disease without knowledge of when, where, and under what conditions cases are occurring.

UNITED STATES.

CURRENT STATE SUMMARIES.

Telegraphic Reports for Week Ended July 31, 1920.

These reports are preliminary and the figures are subject to change when later returns are received by the State health officers.

ALABAMA.

	Cases.
Diphtheria	9
Dysentery	5
Hookworm	6
Malaria	24
Measles	7
Scarlet fever	9
Smallpox	21
Tuberculosis (pulmonary)	21
Typhoid fever	41
Whooping cough	32

ARKANSAS.

Cerebrospinal meningitis	2
Chicken pox	10
Diphtheria	4
Hookworm	1
Influenza	1
Malaria	232
Measles	13
Ophthalmia neonatorum	1
Pellagra	12
Scarlet fever	17
Smallpox	10
Trachoma	1
Tuberculosis	42
Typhoid fever	27
Whooping cough	82

CALIFORNIA.

Cerebrospinal meningitis	3
Influenza	1
Smallpox:	
Oakland	10
Scattering	34
Typhoid fever	19

DELAWARE.

	Cases.
Cholera infantum	2
Diphtheria	1
Measles	4
Mumps	1
Tuberculosis	2
Typhoid fever	1
Whooping cough	1

FLORIDA.

Diphtheria	1
Dysentery	1
Malaria	23
Smallpox	17
Typhoid fever	16

GEORGIA.

Cerebrospinal meningitis	1
Chicken pox	2
Conjunctivitis (acute infectious)	1
Diphtheria	10
Dysentery (amebic)	10
Dysentery (bacillary)	4
Hookworm	12
Influenza	17
Malaria	170
Measles	12
Paratyphoid fever	1
Pneumonia	4
Scarlet fever	5
Septic sore throat	2
Smallpox	15
Trachoma	2
Tuberculosis (pulmonary)	8
Typhoid fever	37
Whooping cough	7

ILLINOIS.

	Cases.
Cerebrospinal meningitis—Chicago	1
Diphtheria:	
Chicago	77
Scattering	22
Lethargic encephalitis—Chicago	1
Pneumonia:	
Chicago	32
Scattering	3
Poliomyelitis:	
LaSalle	1
Wilmette	1
Ashland	1
Scarlet fever:	
Chicago	39
Scattering	20
Smallpox	27
Typhoid fever	18

INDIANA.

Cerebrospinal meningitis—Lawrence County	1
Diphtheria	19
Measles	14
Rabies in animals	3
Scarlet fever	41
Smallpox	38
Typhoid fever	11

IOWA.

Chicken pox	5
Diphtheria	6
Measles	5
Mumps	2
Scarlet fever	15
Smallpox:	
Dubuque	11
Scattering	24
Whooping cough	7

KANSAS.

Chicken pox	10
Diphtheria	10
Malaria	3
Measles	35
Mumps	1
Pellagra	1
Poliomyelitis	1
Scarlet fever	24
Smallpox	54
Trachoma	1
Tuberculosis	67
Typhoid fever	38
Whooping cough	84

LOUISIANA.

Diphtheria	3
Malaria	107
Measles	19
Scarlet fever	3
Smallpox	4
Tuberculosis	20
Typhoid fever	18
Whooping cough	6

MAINE.

	Cases.
Chicken pox	3
Diphtheria	15
German measles	1
Measles:	
Baileysville	10
Lisbon	7
Portland	16
Scattering	27
Mumps	3
Pneumonia	1
Scarlet fever:	
Greenville	8
Scattering	6
Tuberculosis	8
Typhoid fever	2
Whooping cough	22

MASSACHUSETTS.

Cerebrospinal meningitis	5
Chicken pox	16
Conjunctivitis (suppurative)	6
Diphtheria	81
Dysentery	5
German measles	7
Malaria	3
Measles	252
Mumps	52
Ophthalmia neonatorum	25
Pellagra	2
Pneumonia (lobar)	20
Poliomyelitis	11
Scarlet fever	60
Septic sore throat	2
Smallpox	2
Trachoma	2

MINNESOTA.

Smallpox	13

MISSISSIPPI.

Diphtheria	13
Influenza	4
Poliomyelitis	1
Scarlet fever	6
Smallpox	15
Typhoid fever	31

MONTANA.

Cerebrospinal meningitis—Anaconda	1
Diphtheria	5
Rocky Mountain spotted fever	2
Scarlet fever	5
Smallpox	3
Typhoid fever	4

NEBRASKA.

Chicken pox	2
Diphtheria	7
Measles	6
Mumps	2
Scarlet fever	4

NEBRASKA—Continued.

	Cases.
Smallpox:	
Hamilton County	13
Merrick County	8
Scattering	11
Tuberculosis	5
Typhoid fever	1
Whooping cough	5

NEW JERSEY.

Influenza	2
Pneumonia	37
Smallpox:	
East Rutherford.	
Lyndhurst.	

NEW MEXICO.

Diphtheria	7
Measles	7
Paratyphoid fever	1
Tuberculosis	62
Typhoid fever	6
Whooping cough	8

NEW YORK.

(Exclusive of New York City.)

Cerebrospinal meningitis—Whitehall	1
Diphtheria	108
Influenza	4
Lethargic encephalitis:	
Mount Vernon	1
Ovid Town	1
Measles	395
Pneumonia	85
Scarlet fever	66
Smallpox—Middleville	1
Typhoid fever	22
Whooping cough	346

NORTH CAROLINA.

Chicken pox	4
Diphtheria	16
German measles	2
Measles	32
Poliomyelitis	2
Scarlet fever	12
Septic sore throat	5
Smallpox	39
Typhoid fever	90
Whooping cough	252

SOUTH DAKOTA.

Diphtheria	33
Measles	27
Scarlet fever	15
Smallpox	14
Trachoma	1
Whooping cough	6

TEXAS.

	Cases.
Dysentery	2
Malaria—Waller County	51
Mumps	2
Pellagra	1
Plague (bubonic)	1
Pneumonia	2
Smallpox	11
Typhoid fever	4
Whooping cough	17

VERMONT.

Chicken pox	12
Diphtheria	1
Measles	65
Mumps	10
Scarlet fever	6
Typhoid fever	7
Whooping cough	41

WASHINGTON.

Chicken pox	15
Diphtheria	7
Measles	22
Mumps	2
Scarlet fever	4
Smallpox	41
Typhoid fever	6
Whooping cough	20

WEST VIRGINIA.

Diphtheria	6
Measles	11
Scarlet fever	5
Smallpox	7
Typhoid fever	9

WISCONSIN.

Milwaukee:	
Cerebrospinal meningitis	1
Chicken pox	8
Diphtheria	8
Erysipelas	2
Measles	24
Scarlet fever	13
Smallpox	8
Tuberculosis	26
Typhoid fever	1
Whooping cough	59
Scattering:	
Chicken pox	10
Diphtheria	21
Erysipelas	2
Measles	113
Poliomyelitis	2
Scarlet fever	43
Smallpox	34
Tuberculosis	15
Typhoid fever	5
Whooping cough	71

Kentucky Report for Week Ended July 24, 1920.

	Cases.
Chicken pox	1
Diphtheria	10
Dysentery	4
Malaria	1
Measles	9
Mumps	3
Pneumonia	2
Scarlet fever	11
Smallpox	8
Tonsillitis	2
Trachoma	4
Tuberculosis	49
Typhoid fever	22
Whooping cough	18

Summary of Cases Reported Monthly by States.

Tables showing by counties the reported cases of cerebrospinal meningitis, influenza, malaria, pellagra, poliomyelitis, smallpox, and typhoid fever are published under the names of these diseases. (See names of these and other diseases in the table of contents.)

The following monthly State reports include only those which were received during the current week. These reports appear each week as received.

State.	Cerebrospinal meningitis.	Diphtheria.	Influenza.	Malaria.	Measles.	Pellagra.	Poliomyelitis.	Scarlet fever.	Smallpox.	Typhoid fever.
1920.										
California (June)	14	364	15	13	1,003	3	6	179	225	182
Connecticut (June)	6	156	2	2	987		1	245		15
Hawaii (June)		17	63		49			2		20
Idaho (June)		4			198			10	178	10
Iowa (June)	4	57					1	110	404	
Maine (May)		32	15		199			131	22	57
Maine (June)		30			273			40	5	55
Mississippi (June)	1	30	189	9,564	109	1,022		46	146	299
New Jersey (June)	7	420	13	10	3,393			322	11	28
Oregon (June)		20	1		362			40	158	8
South Dakota (June)	3	25			406			59	64	2
Virginia (June)	12	60		455	1,232	41	3	72	314	74
Wyoming (June)		4			74			8	94	7

CEREBROSPINAL MENINGITIS.

State Reports for June, 1920.

Place.	New cases reported.
California:	
Alameda County	2
Berkeley	1
Oakland	2
Riverside County—	
Riverside	1
San Bernardino County	1
San Diego County—	
San Diego	1
San Francisco County—	
San Francisco	5
Ventura County—	
Santa Paula	1
Total	14
Connecticut:	
Fairfield County—	
Bridgeport	1
Hartford County—	
Hartford	1
New Britain	1
New Haven County—	
Waterbury	1
New London County—	
New London	1
Stonington	1
Total	6
Iowa:	
Mills County	1
O'Brien County	1
Iowa—Continued.	
Polk County	2
Total	4
Mississippi:	
Harrison County	1
New Jersey:	
Camden County	1
Essex County	3
Passaic County	1
Salem County	1
Union County	1
Total	7
South Dakota:	
Minnehaha County	2
Spink County	1
Total	3
Virginia:	
Charlotte County—	
Keysville	1
Mecklenburg County	1
Nansemond County	1
Pulaski County	8
Russell County	1
Total	12

CEREBROSPINAL MENINGITIS—Continued.

City Reports for Week Ended July 17, 1920.

The column headed "Average cases" gives the average number of cases reported during the corresponding week of previous years for which data are available. The years used are 1915 to 1919, inclusive, but in many instances the information is not available for the full five years. In these cases the average includes from one to four years.

Place.	Average cases.	1920	
		Cases.	Deaths.
California:			
San Bernardino			1
Connecticut:			
Bridgeport	0	1	1
New Britain	(1)		1
New Haven	0	1	
Illinois:			
Chicago	4		1
Indiana:			
Marion	0		1
Kansas:			
Wichita	0	1	1
Massachusetts:			
Boston	2	1	
Massachusetts—Contd.			
Fall River	0	1	1
Michigan:			
Detroit	1	1	
New Jersey:			
Elizabeth	(1)	1	1
Ohio:			
Cincinnati	(1)	1	
Pennsylvania:			
Philadelphia	2	1	
Rhode Island:			
Newport	0	1	1
Wisconsin:			
Milwaukee	1	1	1

[1] Average less than 1.

DIPHTHERIA.

Marfa, Tex.—July 29 and Aug. 2, 1920.

Under date of July 29, 1920, an epidemic of diphtheria was reported at Marfa, Presidio County, Tex., 13 cases with 3 deaths having occurred. Under date of Aug. 2, 3 new cases were reported.

See also Telegraphic weekly reports from States, p. 1863; Monthly summaries by States, p. 1866; and Weekly reports from cities, p. 1882.

INFLUENZA.

California and Mississippi—June, 1920.

Place.	New cases reported.
California	15
Mississippi:	
Alcorn County	22
Amite County	1
Chickasaw County	5
Clay County	1
Coahoma County	9
De Soto County	2
Forrest County	1
Harrison County	15
Holmes County	29
Lafayette County	3
Lawrence County	5
Lee County	3
Mississippi—Continued.	
Marshall County	19
Oktibbeha County	17
Panola County	2
Pearl River County	2
Sunflower County	2
Tallahatchie County	5
Tippah County	2
Tishomingo County	30
Tunica County	8
Walthall County	1
Yalobusha County	5
Total	189

City Reports for Week Ended July 17, 1920.

Place.	Cases.	Deaths.
California:		
Sacramento	1	
San Francisco	1	
Massachusetts:		
Boston	2	
Nevada:		
Reno		1
New Jersey:		
Jersey City	1	
Pennsylvania:		
Philadelphia	2	2
Texas:		
Dallas	1	
West Virginia:		
Morgantown	1	

LEPROSY.

Los Angeles and Ontario, Calif.

During June, 1920, one case of leprosy was reported at Los Angeles, Calif., and one was reported at Ontario, San Bernardino County, Calif. During the week ended July 17, 1920, one case was reported at Los Angeles, Calif.

LETHARGIC ENCEPHALITIS.

State Reports for May and June, 1920.

During May, 1920, 1 case of lethargic encephalitis was reported in Maine. During June, 1920, there were reported 11 cases in California, 5 in Connecticut, and 5 in Oregon.

MALARIA.

State Reports for June, 1920.

Place.	New cases reported.
California:	
Colusa County	2
Colusa	2
Fresno County	2
Nevada County—	
Grass Valley	1
San Francisco County—	
United States naval station	5
Tuolumne County—	
Sonora	1
Total	13
Connecticut:	
Fairfield County—	
Greenwich	2
Mississippi:	
Adams County	68
Alcorn County	102
Amite County	115
Attala County	81
Benton County	35
Calhoun County	60
Carroll County	163
Chickasaw County	40
Choctaw County	34
Claiborne County	135
Clarke County	69
Clay County	87
Coahoma County	573
Copiah County	146
Covington County	91
De Soto County	75
Forest County	66
Franklin County	89
George County	21
Greene County	119
Grenada County	32
Hancock County	149
Harrison County	20
Hinds County	229
Holmes County	416
Humphreys County	186
Issaquena County	5
Itawamba County	25
Jackson County	54
Jasper County	89
Jefferson County	98
Jefferson Davis County	70
Jones County	110
Kemper County	80
Mississippi—Continued.	
Lafayette County	44
Lamar County	35
Lauderdale County	39
Lawrence County	78
Leake County	48
Lee County	293
Leflore County	102
Lincoln County	94
Lowndes County	105
Madison County	31
Marion County	132
Marshall County	114
Monroe County	213
Montgomery County	79
Neshoba County	76
Newton County	38
Noxubee County	68
Oktibbeha County	110
Panola County	126
Pearl River County	114
Perry County	63
Pike County	46
Pontotoc County	157
Prentiss County	41
Quitman County	166
Rankin County	34
Scott County	119
Sharkey County	203
Simpson County	60
Smith County	69
Stone County	30
Sunflower County	486
Tallahatchie County	281
Tate County	167
Tippah County	74
Tishomingo County	134
Tunica County	294
Union County	61
Walthall County	23
Warren County	153
Washington County	267
Wayne County	68
Webster County	58
Wilkinson County	89
Winston County	152
Yalobusha County	84
Yazoo County	514
Total	9,564

MALARIA—Continued.

State Reports for June, 1920—Continued.

Place.	New cases reported.
New Jersey:	
Essex County	1
Hudson County	1
Mercer County	3
Middlesex County	3
Passaic County	2
Total	10
Virginia:	
Accomac County	27
Holland	4
Onancock	1
New Church	4
Albemarle County	1
Alexandria County—	
Alexandria	1
Alleghany County	1
Amherst County	1
Brunswick County	7
Buckingham County	2
Caroline County	8
Chesterfield County	8
Cumberland County	1
Dinwiddie County	4
Elizabeth City County—	
Hampton	3
Gloucester County	8
Greensville County	14
Emporia	6
Halifax County	18
South Boston	15
Hanover County	4
Henrico County	16
Richmond	4
Isle of Wight County	12
King William County	4
West Point	2
Lunenburg County	3
Meherrin	1
Victoria	4
Virginia—Continued.	
Mecklenburg County	14
Middlesex County	1
Nansemond County	13
Suffolk	16
New Kent County	7
Northampton County	22
Cape Charles	7
Northumberland County	9
Nottoway County	5
Blackstone	1
Orange County—	
Gordonsville	1
Pittsylvania County	8
Chatham	1
Danville	3
Powhatan County	2
Princess Anne County	68
Prince George County	1
Prince William County	1
Manassas	5
Rockingham County	1
Southampton County	23
Courtland	4
Franklin	18
Spottsylvania County	2
Stafford County	2
Falmouth	6
Surry County	10
Sussex County	13
Jarratt	2
Stony Creek	2
Westmoreland County—	
Colonial Beach	1
York County	2
Total	455

City Reports for Week Ended July 17, 1920.

Place.	Cases.	Deaths.
Alabama:		
Montgomery	1	1
Arkansas:		
Little Rock	1	.....
Georgia:		
Brunswick	.....	1
Savannah	1	.....
Louisiana:		
Alexandria	28	1
New Orleans	1	.....
New Jersey:		
Newark	2	.....
Perth Amboy	1	.....
Tennessee:		
Memphis	1	.....
Texas:		
Dallas	15	.....

MEASLES.

See Telegraphic weekly reports from States, p. 1863; Monthly summaries by States, p. 1866; and Weekly reports from cities, p. 1882.

PELLAGRA.

California, Mississippi, and Virginia—June, 1920.

Place.	New cases reported.
California:	
Alameda County—	
Albany	1
Los Angeles County	1
Los Angeles	1
Total	3
Mississippi:	
Adams County	20
Alcorn County	4
Amite County	4
Attala County	1
Benton County	2
Calhoun County	1
Carroll County	13
Chickasaw County	8
Claiborne County	1
Clarke County	6
Clay County	4
Coahoma County	116
Copiah County	17
Covington County	6
De Soto County	27
Forrest County	15
Franklin County	6
George County	3
Greene County	2
Harrison County	1
Hinds County	38
Holmes County	60
Humphreys County	76
Issaquena County	8
Itawamba County	3
Jackson County	1
Jasper County	2
Jefferson County	3
Jefferson Davis County	7
Jones County	1
Kemper County	3
Lafayette County	2
Lamar County	1
Lauderdale County	6
Lawrence County	15
Leake County	4
Lee County	7
Leflore County	23
Lincoln County	22
Lowndes County	3
Madison County	19
Marion County	4
Marshall County	28
Montgomery County	3
Neshoba County	1
Noxubee County	5
Panola County	23
Mississippi—Continued.	
Pearl River County	3
Perry County	2
Pike County	5
Pontotoc County	2
Prentiss County	2
Quitman County	48
Rankin County	2
Scott County	4
Sharkey County	23
Simpson County	2
Smith County	3
Stone County	1
Sunflower County	120
Tallahatchie County	34
Tate County	10
Tippah County	2
Tishomingo County	6
Tunica County	26
Union County	4
Warren County	5
Washington County	66
Wayne County	7
Webster County	2
Wilkinson County	3
Winston County	5
Yalobusha County	10
Total	1,022
Virginia:	
Accomac County—	
Tangier	3
Amherst County	2
Campbell County—	
Altavista	1
Halifax County	1
Hanover County	1
Henrico County	1
James City County—	
Williamsburg	2
Louisa County—	
Mineral	1
Mecklenburg County	2
Northampton County	5
Patrick County	2
Pittsylvania County—	
Danville	1
Roanoke County	1
Smyth County	1
Warwick County	15
Washington County	1
Wise County—	
Big Stone Gap	1
Total	41

City Reports for Week Ended July 17, 1920.

Place.	Cases.	Deaths.
Alabama:		
Birmingham	1	
Louisiana:		
New Orleans	1	1
Michigan:		
Detroit		1
Missouri:		
Kansas City	1	1
Texas:		
Dallas	1	
Virginia:		
Petersburg	2	
Roanoke		1

PLAGUE.

Human Cases of Plague Reported.

Place.	Period covered.	Cases.	Deaths.	Remarks.
California:				
Alameda County	Apr. 19, 1920	1	1	Diagnosis confirmed Apr. 26.
Florida:				
Pensacola	June 2 to July 26, 1920	7	4	
	July 27-Aug. 2, 1920	0	0	
Hawaii:				
Kalopa	Mar. 22, 1920	1	0	
Louisiana:				
New Orleans	Oct. 29 to Dec. 31, 1919	12	4	
	Jan. 1 to July 26, 1920	4	1	
	July 27-Aug. 2, 1920	0	0	
Texas:				
Beaumont	June 26 to July 26, 1920	11	3	
	July 27-Aug. 2, 1920	1	0	
Galveston	June 16 to July 26, 1920	2	1	
	July 27-Aug. 2, 1920	2	2	
Port Arthur	July 7, 1920	1	1	From Galveston.

Plague-Infected Rodents.

Place.	Period covered.	Rodents found plague infected.
California:		
Ground squirrels (Citellus beecheyi)—	1920.	
Alameda County	Apr. 11 to July 10	28
Contra Costa County	Apr. 18 to July 10	46
Merced County	May 23 to July 10	1
Monterey County	June 13 to July 10	3
San Benito County	May 16 to July 10	16
San Mateo County	do	3
San Joaquin County	Apr. 18 to July 10	4
Santa Clara County	Apr. 11 to July 10	12
Santa Cruz County	May 9 to July 10	25
Santa Cruz	May 16 to July 10	1
Stanislaus County	May 30 to July 10	2
Florida:		
Pensacola	June 28 to Aug. 2	22
Louisiana:	1919.	
New Orleans	Nov. 1 to Dec. 31	276
	1920.	
	Jan. 1 to Aug. 2	285
Texas:		
Beaumont	July 1 to Aug. 2	112
Galveston	June 21 to Aug. 2	43

PNEUMONIA (ALL FORMS).

City Reports for Week Ended July 17, 1920.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Alabama:			Colorado:		
Anniston	1		Denver		6
Birmingham		3	Pueblo		1
Montgomery		2	Connecticut:		
Arkansas:			Bridgeport		7
North Little Rock		1	New Britain		2
California:			New Haven		2
Berkeley	1		Delaware		
Long Beach	2	1	Wilmington		1
Los Angeles	13	5	District of Columbia:		
Oakland		3	Washington		3
Pasadena	1	2	Georgia:		
San Bernardino		2	Atlanta		5
San Francisco	6	4			

PNEUMONIA (ALL FORMS)—Continued.

City Reports for Week Ended July 17, 1920—Continued.

Place.	Cases.	Deaths.
Illinois:		
Alton	1	
Chicago	43	12
Danville		1
Decatur		1
La Salle	1	
Quincy		1
Rockford	1	
Indiana:		
Brazil		1
Fort Wayne		2
Richmond		1
South Bend		1
Kentucky:		
Louisville		1
Louisiana:		
New Orleans		5
Maine:		
Portland		2
Maryland:		
Baltimore	16	10
Massachusetts:		
Boston	4	6
Brookline	1	
Chicopee		1
Easthampton	1	
Fall River	1	
Lowell		1
Lynn	2	
Methuen		1
New Bedford		2
Newton	1	1
Pittsfield		2
Southbridge	1	
Springfield	1	
Waltham	1	
Worcester	3	1
Michigan:		
Detroit	8	15
Flint		2
Grand Rapids	1	
Ironwood		1
Marquette	1	
Traverse City	1	1
Minnesota:		
Duluth		2
Hibbing	1	
Minneapolis		1
St. Cloud	3	
St. Paul		2
Missouri:		
Kansas City	3	2
St. Joseph		1
Montana:		
Anaconda		1
Great Falls	3	
Nebraska:		
Omaha		1
New Hampshire:		
Concord		1
New Jersey:		
Bayonne	1	
Hoboken	1	1
Kearny	1	1
Newark	23	5
Orange	1	1
Passaic		2
Perth Amboy	1	
Phillipsburg	1	1
Taunton	1	
West Orange	1	1
New York:		
Albany	8	
Binghamton	2	
Buffalo		5
Lackawanna	4	1
Mount Vernon	2	
Newburgh		2
Rochester	4	
Saratoga Springs	1	
Schenectady	2	
Syracuse	1	2
Troy		1
Watertown	1	
Yonkers	1	1
North Carolina:		
Greensboro		1
North Dakota:		
Fargo		1
Ohio:		
Akron	1	
Cincinnati	1	
Cleveland	9	10
Columbus		2
Dayton	1	
Lima		1
Norwood	1	
Oklahoma:		
Oklahoma City		1
Pennsylvania:		
Philadelphia	15	27
Rhode Island:		
Cranston		1
Pawtucket		1
Providence		1
South Carolina:		
Charleston		2
Tennessee:		
Nashville		1
Texas:		
Beaumont		1
Dallas	2	1
El Paso		4
Fort Worth		2
Galveston		2
Utah:		
Salt Lake City		1
Virginia:		
Petersburg		2
Portsmouth		1
Richmond		5

POLIOMYELITIS (INFANTILE PARALYSIS).

State Reports for June, 1920.

Place.	New cases reported.
California:	
Los Angeles County	1
Los Angeles	2
Orange County—	
Fullerton	1
Santa Ana	1
San Diego County—	
San Diego	1
Total	6
Connecticut:	
New Haven County—	
Hamden	1
Iowa:	
Dubuque County	1
Virginia:	
Northumberland County	1
Pittsylvania County	2
Total	3

POLIOMYELITIS (INFANTILE PARALYSIS)—Continued.

City Reports for Week Ended July 17, 1920.

The column headed "Average cases" gives the average number of cases reported during the corresponding week of previous years for which data are available. The years used are 1915 to 1919, inclusive, but in many instances the information is not available for the full five years. In these cases the average includes rom one to four years.

Place.	Average cases.	1920		Place.	Average cases.	1920	
		Cases.	Deaths.			Cases.	Deaths.
California:				Montana:			
San Diego	0	1	.....	Great Falls	.....	1	.....
Delaware:				Pennsylvania:			
Wilmington	0	1	.....	Monessen	.....	1	.....
Illinois:				York	0	1	.....
Chicago	3	2	.....	Virginia:			
Michigan:				Portsmouth	0	1	.....
Detroit	(1)	1	.....				

[1] Average less than 1.

RABIES IN ANIMALS.

Detroit, Mich., Akron, Ohio, and Pawtucket, R. I.

During the week ended July 17, 1920, one case of rabies in animals was reported at Detroit, Mich., two cases were reported at Akron, Ohio, and one case was reported at Pawtucket, R. I.

RABIES IN MAN.

Chicago, Ill.—Week Ended July 17, 1920.

During the week ended July 17, 1920, one death from rabies was reported at Chicago, Ill.

ROCKY MOUNTAIN SPOTTED OR TICK FEVER.

Idaho, Oregon, and Wyoming—June, 1920.

Place.	New cases reported.	Place.	New cases reported.
Idaho:		Wyoming:	
Bingham County—		Converse County	1
Aberdeen	1	Fremont County	6
		Johnson County	1
Oregon:			
Baker County	1	Total	8
Lake County	2		
Total	3		

SCARLET FEVER.

See Telegraphic weekly reports from States, page 1863; Monthly summaries by States, page 1866; and Weekly reports from cities, page 1882.

SMALLPOX.

California and New Jersey—Reports for June, 1920—Vaccination Histories.

Place.	New cases reported during month.	Deaths.	Vaccination history of cases.			
			Vaccinated within 7 years preceding attack.	Last vaccinated more than 7 years preceding attack.	Never successfully vaccinated.	History not obtained or uncertain.
California:						
Alameda County—						
Alameda	1				1	
Albany	1				1	
Berkeley	1				1	
Oakland	3				2	1
Butte County—						
Chico	1				1	
Calaveras County	4			1	3	
Fresno County	4				4	
Imperial County	5				5	
Brawley	2				1	1
Kern County	3			1	2	
Kings County	13		1		12	
Hanford	3				3	
Los Angeles County	10				8	2
Azusa	3			1	1	1
Huntington Park	1			1		
Long Beach	9			1	8	
Los Angeles	32			1	24	7
Pomona	1				1	
Redondo Beach	1				1	
Santa Monica	1					1
South Pasadena	1				1	
Venice	1				1	
Mendocino County	2				2	
Fort Bragg	6				6	
Merced County	3				3	
Monterey County—						
Monterey	3				3	
Napa County	1				1	
St. Helena	1				1	
Orange County	5				5	
Anaheim	2				2	
Santa Ana	2				2	
Riverside County	6			1	5	
Riverside	3				3	
Sacramento County—						
Sacramento	3				3	
San Bernardino County	21			1	20	
Ontario	4				3	1
San Diego County	1				1	
San Francisco County—						
San Francisco	9			1	7	1
San Joaquin County	5			1	4	
Lodi	2				2	
Stockton	3			1	2	
San Luis Obispo County	1					1
Santa Barbara County—						
Santa Barbara	5				5	
Santa Maria	1				1	
Santa Clara County	7			1	6	
San Jose	4				4	
Santa Cruz County	2				2	
Santa Cruz	2				2	
Watsonville	1		1			
Siskiyou County—						
Yreka	2					2
Sonoma County—						
Santa Rosa	1				1	
Stanislaus County	2				2	
Ceres	2				2	
Tulcare County	2			1	1	
Lindsay	2				2	
Visalia	6				5	1
Ventura County	1				1	
Yuba County—						
Marysville	1				1	
Total	225		2	13	191	19
New Jersey:						
Gloucester County	4			1	3	
Morris County	1				1	
Ocean County	1				1	
Passaic County	3				3	
Salem County	2				2	
Total	11			1	10	

SMALLPOX—Continued.

State Reports for May and June, 1920.

Place.	Cases.	Deaths.
Idaho (June):		
Ada County	6	
Boise	17	
Bannock County—		
Pocatello	1	
Downey	1	
Bancroft	1	
Bonner County—		
Sandpoint	4	
Boundary County	3	
Bingham County	1	
Canyon County—		
Melba	5	
Nampa	9	
Camas County	4	
Clearwater County—		
Orofino	7	
Franklin County—		
Preston	3	
Fremont County	12	
Idaho County	5	
Jerome County	5	
Hazelton	5	
Kootenai County	11	
Coeur d'Alene	1	
Rose Lake	6	
Latah County	11	
Moscow	9	
Lewis County—		
Nezperce	6	
Winchester	1	
Lincoln County—		
Shoshone	2	
Oneida County	26	
Nezperce County—		
Lapwai	1	
Twin Falls County—		
Twin Falls	2	
Washington County—		
Weiser	12	
Cambridge	1	
Total	178	
Iowa (June):		
Adams County	1	
Benton County	1	
Blackhawk County	4	
Boone County	21	
Bremer County	1	
Buena Vista County	1	
Butler County	2	
Calhoun County	1	
Cerro Gordo County	13	
Chickasaw County	2	
Clay County	6	
Davis County	3	
Delaware County	1	
Des Moines County	1	
Dickinson County	1	
Dubuque County	102	
Emmet County	1	
Franklin County	7	
Fremont County	1	
Grundy County	8	
Hamilton County	6	
Hardin County	5	
Harrison County	14	
Jasper County	5	
Johnson County	18	
Jones County	1	
Keokuk County	1	
Lee County	7	
Linn County	9	
Lucas County	1	
Lyon County	4	
Iowa (June)—Continued.		
Madison County	2	
Marion County	13	
Marshall County	2	
Mills County	1	
Muscatine County	8	
Page County	14	
Polk County	27	
Pottawattamie County	9	
Poweshiek County	1	
Ringgold County	4	
Scott County	23	
Shelby County	3	
Story County	1	
Taylor County	4	
Van Buren County	5	
Wapello County	13	
Warren County	3	
Webster County	5	
Wright County	17	
Total	404	
Maine (May):		
Androscoggin County—		
Lisbon (town)	9	
Auburn	4	
Lewiston	4	
Aroostook County—		
Fort Kent (town)	3	
Knox County—		
Rockland	1	
Penobscot County—		
Carroll (town)	1	
Total	22	
Maine (June):		
Androscoggin County—		
Livermore (town)	1	
Hancock County—		
Tremont (town)	1	
Knox County—		
Rockland	2	
Oxford County—		
Hebron (town)	1	
Total	5	
Mississippi (June):		
Adams County	4	
Attala County	3	
Coahoma County	38	
DeSoto County	1	
Hinds County	12	
Holmes County	5	
Humphreys County	11	
Jones County	2	
Lauderdale County	8	
Leflore County	1	
Lincoln County	1	
Madison County	2	
Montgomery County	3	
Panola County	2	
Quitman County	3	
Rankin County	1	
Sharkey County	3	
Sunflower County	21	
Tallahatchie County	14	
Tunica County	2	
Warren County	2	
Webster County	4	
Yalobusha County	3	
Total	146	

SMALLPOX—Continued.

State Reports for May and June, 1920—Continued.

Place.	Cases.	Deaths.
Oregon (June):		
Clackamas County	6	
Clatsop County	3	
Columbia County	6	
Coos County	8	
Deschutes County	2	
Josephine County	1	
Lane County	1	
Marion County	8	
Morrow County	4	
Polk County	6	
Tillamook County	2	
Umatilla County	3	
Wasco County	3	
Washington County	25	
Portland	80	
Total	158	
South Dakota (June):		
Brule County	2	
Charles Mix County	13	
Clark County	4	
Codington County	5	
Davison County	17	
Edmunds County	2	
Grant County	1	
Gregory County	2	
Hanson County	3	
Hughes County	2	
Meade County	4	
Minnehaha County	1	
Spink County	2	
Turner County	1	
Walworth County	5	
Total	64	
Virginia (June):		
Alleghany County	8	
Bedford County—		
Bedford	8	
Montvale	3	
Bland County	10	
Botetourt County	1	
Troutville	6	
Campbell County	17	
Carroll County	10	
Giles County	3	
Highland County	1	
Lancaster County	2	
Virginia (June)—Continued.		
Lee County	10	
Keokee	1	
Montgomery County—		
Radford	2	
Christiansburg	1	
Norfolk County	7	
Pittsylvania County—		
Danville	6	
Pulaski County—		
Pulaski	3	
Dublin	1	
Roanoke County	1	
Roanoke	13	
Salem	5	
Rockbridge County	4	
Rockingham County	9	
Harrisonburg	5	
Dayton	1	
Scott County	13	
Shenandoah County	10	
Detrick	1	
Smyth County	12	
Atkins	2	
Sussex County	5	
Tazewell County	6	
Wise County	91	
Norton	10	
Big Stone Gap	1	
Stonega	2	
Inman	1	
Roda	15	
East Stone Gap	1	
Wythe County	6	
Total	314	
Wyoming (June):		
Albany County	4	
Campbell County	1	
Converse County	1	
Crook County	3	
Fremont County	26	
Laramie County	12	
Natrona County	11	
Park County	1	
Sheridan County	5	
Uinta County	30	
Total	94	

SMALLPOX—Continued.

City Reports for Week Ended July 17, 1920.

The column headed "Average cases" gives the average number of cases reported during the corresponding week of previous years for which data are available. The years used are 1915 to 1919, inclusive, but in many instances the information is not available for the full five years. In these cases the average includes from one to four years.

Place.	Average cases.	1920	
		Cases.	Deaths.
Alabama:			
Birmingham	(1)	2	
Montgomery	(1)	1	
Arkansas:			
Fort Smith		1	
Little Rock	1	1	
California:			
Alameda	0	1	
Long Beach	1	3	
Los Angeles	(1)	8	
Pasadena	0	1	
San Diego	(1)	2	
San Francisco	1	4	
Colorado:			
Denver	6	11	
Greeley	0	1	
Pueblo	4	1	
District of Columbia:			
Washington	2	1	
Georgia:			
Atlanta	8	3	
Rome	0	2	
Idaho:			
Boise	(1)	3	
Illinois:			
Chicago	5	1	
Danville	(1)	1	
East St. Louis	0	14	
Peoria	2	2	
Rockford	(1)	2	
Rock Island	(1)	1	
Springfield	(1)	3	
Indiana:			
Bedford	0	2	
Brazil	0	2	
Elkhart		2	
Hammond	0	5	
Huntington		4	
Kokomo	2	1	
Logansport	3	1	
South Bend	(1)	1	
Iowa:			
Council Bluffs	0	2	
Dubuque	2	11	
Mason City	0	2	
Sioux City	2	2	
Kansas:			
Fort Scott	0	1	
Kansas City	1	1	
Parsons	0	5	
Topeka	(1)	1	
Wichita	3	7	
Louisiana:			
New Orleans	4	5	
Maryland:			
Baltimore	0	1	
Massachusetts:			
Lowell	0	1	
Michigan:			
Battle Creek	0	3	
Detroit	4	29	
Flint	2	1	
Highland Park	0	1	
Marquette	(1)	2	
Minnesota:			
Duluth	2	6	
Hibbing	0	1	
Minneapolis	10	19	
St. Paul	3	1	
Stillwater	0	1	
Winona	0	1	
Missouri:			
Kansas City	8	3	
St. Joseph	2	3	
St. Louis	4	6	
Montana:			
Great Falls	1	1	
Missoula	(1)	1	
Nebraska:			
Lincoln	2	2	
Omaha	7	5	
Nevada:			
Reno	0	1	
North Carolina:			
Winston-Salem	(1)	2	
North Dakota:			
Fargo	0	1	
Ohio:			
Akron	3	5	
Alliance	0	8	
Cincinnati	1	5	
Columbus	2	1	
Lima	2	3	
Marion	0	5	
Sandusky	(1)	2	
Springfield	(1)	1	
Oklahoma:			
Oklahoma City	4	5	
Oregon:			
Portland	13	11	
Pennsylvania:			
New Castle	0	1	
Pittsburgh	(1)	2	
South Carolina:			
Charleston	1	2	
Columbia	(1)	3	
Tennessee:			
Memphis	1	2	
Texas:			
El Paso	0	1	
Utah:			
Salt Lake City	4	19	
Virginia:			
Portsmouth	(1)	1	
Washington:			
Aberdeen	0	1	
Bellingham	(1)	2	
Everett	1	9	
Hoquiam	7	1	
Seattle	4	9	
Spokane	6	10	
Tacoma	1	4	
Vancouver	0	3	
Walla Walla	0	1	
Yakima	1	10	
West Virginia:			
Bluefield	0	1	
Charleston	(1)	1	
Huntington		3	
Wisconsin:			
Appleton	0	3	
Beloit	0	2	
Green Bay	0	4	
Kenosha	0	12	
Manitowoc	(1)	1	
Milwaukee	3	8	
Oshkosh	1	4	
Racine	1	1	
Sheboygan	0	2	
Superior	(1)	2	
Wausau	0	1	

[1] Average less than 1.

TETANUS.

City Reports for Week Ended July 17, 1920.

Place.	Cases.	Deaths.
California:		
Los Angeles	1	1
Connecticut:		
New Haven		1
Georgia:		
Savannah		2
Illinois:		
East St. Louis		1
Iowa:		
Council Bluffs	1	1
Kentucky:		
Covington		1
Massachusetts:		
Holyoke	1	1
Pittsfield		1
Michigan:		
Detroit		1
Missouri:		
Kansas City	1	1
St. Louis	3	3
New Jersey:		
Trenton	1	1
New York:		
Middletown	1	1
North Carolina:		
Durham		1
Ohio:		
Akron	1	
Rhode Island:		
Providence		1
Tennessee:		
Memphis		1
Texas:		
Fort Worth		1
West Virginia:		
Huntington		1

TUBERCULOSIS.

See Telegraphic weekly reports from states, p. 1863, and Weekly reports from cities, p. 1882.

TYPHOID FEVER.

State Reports for May and June, 1920.

Place.	New cases reported.
California (June):	
Alameda County—	
Berkeley	2
Oakland	8
Butte County—	
Chico	1
Contra Costa County—	
Pittsburg	101
Fresno County	4
Clovis	1
Fresno	1
Humboldt County—	
Eureka	1
Imperial County	4
Brawley	1
Los Angeles County	2
Burbank	1
Claremont	1
Long Beach	2
Los Angeles	11
Monrovia	1
Madera County	1
Merced County	2
Orange County	5
Placer County	1
Riverside County	4
Banning	1
Blythe	1
Riverside	2
Sacramento County—	
Sacramento	11
San Benito County—	
Hollister	1
San Bernardino County	1
San Francisco County—	
San Francisco	4
San Joaquin County	1
Stockton	1
San Luis Obispo County	1
Shasta County	2
Ventura County—	
Santa Paula	1
Total	182
Connecticut (June):	
Fairfield County—	
Bridgeport	1
Danbury	1
Hartford County—	
East Granby	1
Windsor Locks	1
Litchfield County—	
Sharon	1
Winchester	1
New Haven County—	
New Haven	3
Waterbury	2
New London County—	
New London	1
Norwich	2
Stonington	1
Total	15
Idaho (June):	
Bannock County—	
Pocatello	2
Bonner County—	
Sandpoint	1
Laclede	2
Caribou County—	
Soda Springs	3
Latah County—	
Moscow	1
Lewis County—	
Nezperce	1
Total	10
Maine (May):	
Androscoggin County—	
Auburn	7
Lewiston	1
Aroostook County—	
Houlton (town)	3
Presque Isle (town)	14
Westfield (town)	1
Mars Hill (town)	1
Van Buren (town)	1
Easton (town)	1

TYPHOID FEVER—Continued.

State Reports for May and June, 1920—Continued.

Place.	New cases reported.
Maine (May)—Continued-	
Cumberland County—	
Portland	3
Hancock County—	
Ellsworth	1
Kennebec County—	
Waterville	1
Oxford County—	
Dixfield (town)	1
Penobscot County—	
Bangor	4
Old Town	2
Piscataquis County—	
Foxcroft (town)	6
Greenville (town)	4
Dover (town)	1
Sagadahoc County—	
Bath	3
Somerset County—	
Madison (town)	1
Waldo County—	
Belfast	1
Total	57
Maine (June):	
Androscoggin County—	
Auburn	1
Aroostook County—	
Presque Isle (town)	1
Cumberland County—	
Portland	7
South Portland	1
Hancock County—	
Castine (town)	1
Tremont (town)	1
Knox County—	
Camden (town)	1
Rockland	1
Penobscot County—	
Bangor	2
Sagadahoc County—	
Bath	1
Somerset County—	
Jackman (town)	29
Moose River Plantation (town)	1
Canaan (town)	1
Waldo County—	
Balast	1
Washington County—	
Codyville Plantation (town)	6
Total	55
Mississippi (June):	
Adams County	6
Alcorn County	6
Amite County	2
Attala County	2
Benton County	1
Calhoun County	1
Carroll County	1
Chickasaw County	8
Choctaw County	5
Clarke County	1
Clay County	8
Coahoma County	2
Copiah County	19
Covington County	6
De Soto County	4
Forest County	2
Franklin County	2
George County	1
Greene County	2
Grenada County	4
Hancock County	1
Harrison County	2
Hinds County	12
Holmes County	10
Mississippi (June)—Continued.	
Jackson County	2
Jasper County	1
Jefferson Davis County	6
Jones County	9
Kemper County	14
Lafayette County	1
Lamar County	1
Lauderdale County	8
Lawrence County	4
Lee County	2
Leflore County	4
Lincoln County	9
Madison County	6
Marion County	6
Marshall County	3
Monroe County	5
Montgomery County	4
Newton County	3
Noxubee County	4
Oktibbeha County	6
Panola County	2
Pike County	8
Pontotoc County	3
Rankin County	2
Scott County	7
Sharkey County	2
Simpson County	2
Smith County	1
Sunflower County	16
Tallahatchie County	7
Tate County	7
Tippah County	5
Tishomingo County	5
Tunica County	8
Walthall County	4
Warren County	4
Washington County	5
Wayne County	1
Webster County	2
Winston County	2
Total	290
New Jersey (June):	
Atlantic County	1
Bergen County	2
Camden County	2
Essex County	2
Gloucester County	1
Hudson County	4
Mercer County	3
Middlesex County	1
Monmouth County	2
Morris County	1
Ocean County	3
Passaic County	2
Union County	4
Total	28
Oregon (June):	
Clackamas County	1
Grant County	1
Lane County	1
Linn County	1
Marion County	1
Tillamook County	2
Portland	1
Total	8
South Dakota (June):	
Clark County	1
Davison County	1
Total	2

TYPHOID FEVER—Continued.

State Reports for May and June, 1920—Continued.

Place.	New cases reported.
Virginia (June):	
Accomac County	2
Alexandria County—	
Alexandria	1
Amherst County	1
Augusta County—	
Greenville	1
Brunswick County	1
Buckingham County	2
Dinwiddie County	1
Elizabeth City County—	
Hampton	2
Fairfax County	1
Floyd County	1
Franklin County	1
Franklin	1
Greene County	1
Halifax County	1
Henrico County—	
Richmond	3
Henry County	1
Loudoun County—	1
Round Hill	1
Mecklenburg County	5
Norfolk County	14
Orange County	2
Patrick County	1
Pittsylvania County	3
Virginia (June)—Continued.	
Roanoke County—	
Roanoke	3
Rockbridge County—	
Lexington	1
Rockingham County	2
Shenandoah County	8
Southampton County	3
Boykins	1
Courtland	1
Tazewell County—	
Pocahontas	2
Westmoreland County—	
Colonial Beach	1
Wise County—	
East Stone Gap	1
Inman	1
Wythe County	2
Total	74
Wyoming (June):	
Converse County	3
Natrona County	1
Park County	3
Total	7

City Reports for Week Ended July 17, 1920.

The column headed "Average cases" gives the average number of cases reported during the corresponding week of previous years for which data are available. The years used are 1915 to 1919, inclusive, but in many instances the information is not available for the full five years. In these cases the average includes from one to four years.

Place.	Average cases.	1920	
		Cases.	Deaths.
Alabama:			
Birmingham	37	5	
Montgomery	1	1	
Tuscaloosa		1	
Arkansas:			
Fort Smith		3	
North Little Rock	0	2	
California:			
Alameda	(1)		1
Los Angeles	5	4	
Oakland	2	1	1
Redlands	(1)	2	
San Francisco	3	5	
Colorado:			
Pueblo	1	1	
Connecticut:			
New London	(1)	1	
Delaware:			
Wilmington	(1)	2	
District of Columbia:			
Washington	6	3	
Georgia:			
Atlanta	2		1
Rome	0	1	
Savannah	1	2	
Illinois:			
Springfield	(1)	2	
Indiana:			
East Chicago	0		1
Fort Wayne	(1)	1	
Hammond	0	1	
Huntington		1	1
Indianapolis	4		1
Richmond	0	1	
South Bend	(1)	1	
Kansas:			
Coffeyville	3	1	
Hutchinson	4	2	
Kansas City	(1)	1	
Topeka	2	4	
Kentucky:			
Louisville	7	4	
Louisiana:			
New Orleans	11	2	
Maine:			
Bangor			1
Maryland:			
Baltimore	13	11	2
Cumberland	2		1
Massachusetts:			
Adams	0	1	
Beverly	(1)	1	
Boston	5	2	
Lowell	(1)	2	

[1] Average less than 1.

TYPHOID FEVER—Continued.

City Reports for Week Ended July 17, 1920—Continued.

Place.	Average cases.	1920	
		Cases.	Deaths.
Massachusetts—Con.			
Lynn	1	1	.....
Northampton	0	1	1
Westfield	0	1	.....
Michigan:			
Ann Arbor	(1)	.....	1
Detroit	11	2	.....
Flint	2	1	.....
Grand Rapids	2	1	.....
Highland Park	2	1	.....
Port Huron	.....	1	.....
Traverse City	0	1	.....
Minnesota:			
Mankato	0	1	.....
St. Paul	1	13	.....
Missouri:			
Joplin	0	1	.....
Kansas City	3	3	2
St. Louis	7	3	.....
Montana:			
Butte	0	2	.....
New Jersey:			
Englewood	0	1	.....
Hoboken	(1)	1	.....
Jersey City	(1)	1	.....
Kearny	0	2	.....
Newark	2	2	.....
Paterson	1	1	.....
Trenton	(1)	3	.....
New York:			
Albany	3	1	.....
Jamestown	(1)	2	1
Poughkeepsie	1	1	.....
Rome	0	1	.....
Schenectady	1	1	.....
Syracuse	(1)	1	.....
North Carolina:			
Durham	6	1	.....
Winston-Salem	6	1	1
Ohio:			
Akron	3	1	.....
Cincinnati	2	.....	1
Cleveland	4	.....	1
Dayton	(1)	3	.....
Fremont	0	1	.....
Ironton	0	1	.....
Ohio—Con.			
Piqua	0	1	.....
Toledo	3	2	.....
Pennsylvania:			
Harrisburg	1	1	.....
New Castle	1	1	.....
Norristown	(1)	1	.....
Philadelphia	13	5	.....
Pittsburgh	4	3	.....
Reading	1	3	.....
Steelton	(1)	1	.....
Uniontown	(1)	1	.....
Washington	0	1	.....
York	2	1	.....
South Carolina:			
Charleston	9	3	2
Columbia	2	1	.....
Tennessee:			
Knoxville	3	16	3
Memphis	8	2	.....
Nashville	12	2	.....
Texas:			
Beaumont	1	3	.....
Corpus Christi	0	2	.....
Dallas	6	11	2
Fort Worth	2	5	.....
Galveston	2	1	.....
Utah:			
Salt Lake City	3	1	.....
Virginia:			
Danville	1	1	.....
Norfolk	15	1	.....
Petersburg	.....	1	.....
Portsmouth	2	1	.....
Richmond	5	6	.....
Roanoke	(1)	1	.....
Washington:			
Seattle	(1)	1	.....
West Virginia:			
Fairmont	6	3	.....
Huntington	.....	.....	1
Wisconsin:			
Fond du Lac	0	1	.....
Kenosha	0	1	.....
Racine	0	1	.....

[1] Average less than 1.

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS.

City Reports for Week Ended July 17, 1920.

City.	Population as of July 1, 1917 (estimated by U. S. Census Bureau).	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuberculosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Aberdeen, S. Dak	15,926	3	3							
Adams, Mass	14,406	2			1					
Akron, Ohio	93,604	32	2		3		2		12	
Alameda, Calif	28,433	5	3							
Albany, N. Y	106,632				21		4		4	
Alexandria, La	16,232	2								1
Alexandria, Va	17,959	1	1							
Allentown, Pa	65,109		1		11				4	
Alliance, Ohio	19,581	4			1					
Alton, Ill	23,783	4			3		1			
Altoona, Pa	59,712		1							
Anaconda, Mont	10,631	1								
Ann Arbor, Mich	15,041	17	2		3					1
Anniston, Ala	14,326						1			
Ansonia, Conn	16,954	2			1				1	
Arlington, Mass	13,073	7					2			1
Asbury Park, N. J	14,629	3			4					
Ashland, Wis	[1] 11,594		1		2		1			
Ashtabula, Ohio	22,008									
Atchison, Kans	16,785				2					
Atlanta, Ga	196,144	58	2		3		1		1	4
Attleboro, Mass	19,776	4	2		3				3	1
Auburn, Me	16,607	2			1		1			
Aurora, Ill	34,795	7	1		2		1			
Baltimore, Md	594,637	196	11	3	49		5	1	14	21
Bangor, Me	26,958				2				1	
Barberton, Ohio	14,187	3					1		1	
Barre, Vt	12,401						1			
Battle Creek, Mich	30,159		1		2		2	1		
Bayonne, N. J	72,204		1		2				1	
Beatrice, Nebr	10,437	7								
Beaumont, Tex	28,851	7								
Bedford, Ind	10,613	0								
Belleville, N. J	12,797		1				2			
Bellingham, Wash	34,262				1					
Beloit, Wis	18,547				1					
Benton Harbor, Mich	11,099	4		1						
Berkeley, Calif	60,427	8	1				3		1	2
Bethlehem, Pa	14,353		1		5		1		1	
Beverly, Mass	22,128	3					2			
Billings, Mont	15,123	6			2					
Binghampton, N. Y	54,864	12			17		1			
Birmingham, Ala	189,716	43			7		1		9	8
Bloomfield, N. J	19,013	1			12		1		1	
Bloomington, Ill	27,462	8	1				1		1	
Boise, Idaho	35,951	9			3					
Boston, Mass	767,813	162	33	1	36		19		49	6
Bradford, Pa	[1] 14,544				4					
Brazil, Ind	10,472	2			1					
Bridgeport, Conn	124,724	33	4				1		4	2
Bristol, Conn	16,318	3	2		2				1	
Brockton, Mass	69,152	6	1						4	1
Brookline, Mass	33,526	4	1		3	1			1	
Brunswick, Ga	10,984	5								1
Buffalo, N. Y	475,781	94			2					7
Burlington, Iowa	25,144						1			
Burlington, Vt	21,802	6								
Butler, Pa	28,677		1		2					
Butte, Mont	44,057	11	2		10					1
Cadillac, Mich	10,158	1								
Cambridge, Mass	114,293	30	3		21	1	4			3
Canton, Ill	13,674	4								
Carbondale, Pa	19,597				2					
Carlisle, Pa	10,795				5					
Cedar Rapids, Iowa	38,033		2				1			
Charleston, S. C	61,041	24								4
Charleston, W. Va	31,060		1							
Chelsea, Mass	48,405	6			11		1			
Chester, Pa	41,857		2		3				5	
Cheyenne, Wyo	[1] 11,320	2					1			
Chicago Heights, Ill	22,863	4			1					
Chicago, Ill	2,547,201	451	82	5	92	1	49	2	229	46

[1] Population Apr. 15, 1910.

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS—Continued.

City Reports for Week Ended July 17, 1920—Continued.

City.	Population as of July 1, 1917 (estimated by U. S. Census Bureau).	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuberculosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Chicopee, Mass	29,950	5	3						1	
Chillicothe, Ohio	15,625	1								
Cincinnati, Ohio	414,248	88	7		7		8		24	6
Cleveland, Ohio	692,259	127	14	1	31		18	2	34	11
Clinton, Mass	[1] 13,075	0			1				1	
Coatesville, Pa	14,998				1					
Coffeyville, Kans	18,331	3			1					
Cohoes, N. Y	25,292	4	1	1	12					
Colorado Springs, Colo	38,965	7			12				14	2
Columbia, S. C	35,165								2	
Columbus, Ohio	220,135	68			2		4		3	7
Concord, N. H	22,858	4			19					
Corpus Christi, Tex	10,789	4								1
Council Bluffs, Iowa	31,838	7					1			1
Covington, Ky	59,623	13	1							4
Cranston, R. I	26,773	3							1	1
Cumberland, Md	26,686	11	3						1	
Dallas, Tex	129,738	36			8		1		5	2
Danville, Ill	32,969	8	1							
Davenport, Iowa	49,618				2					
Dayton, Ohio	128,939	39	2				2		1	
Decatur, Ill	41,483	10	1		1				6	
Denver, Colo	268,439	56	6		24	1	6	1		8
Detroit, Mich	619,648	176	64	1	22		39	1	44	19
Dover, N. H	13,276	3								
Du Bois, Pa	14,994				1					
Duluth, Minn	97,077	14	2		5		5		2	
Duquesne, Pa	20,644		1		10				3	
Durham, N. C	26,160	8							1	
East Chicago, Ind	30,286	5								1
Easthampton, Mass	10,656				5					
Easton, Pa	30,854				17				1	
East St. Louis, Ill	77,312	23								
Eau Claire, Wis	18,887		1		3					
Elgin, Ill	28,562	2			7		1			
Elizabeth, N. J	88,830		1		4		5		1	4
Elkhart, Ind	22,273	5	1				1			1
El Paso, Tex	69,149	62	6	1						10
Englewood, N. J	12,603	0					1			
Erie, Pa	76,592		3		14		2			
Eugene, Oreg	14,257	3			2		1			
Eureka, Calif	15,142	3								
Evanston, Ill	29,304	7			3					
Everett, Mass	40,160	6	6		1				1	
Everett, Wash	37,205		1		6					
Fairmont, W. Va	16,111		1							
Fall River, Mass	129,828	22	2		6		1	1	8	4
Fargo, N. Dak	17,872	4								1
Findlay, Ohio	[1] 14,858	2			1				1	
Flint, Mich	57,386	9	6		2		3			
Fond du Lac, Wis	21,486		5							
Fort Scott, Kans	10,564	3								
Fort Smith, Ark	29,390				1		2			
Fort Wayne, Ind	78,014	20	1		4		2			1
Fort Worth, Tex	109,597	4	5	1					2	
Fostoria, Ohio	10,959	4					3			
Framingham, Mass	14,149	4			4				1	
Freeport, Ill	19,844	7								2
Fremont, Ohio	11,634	1	1		1					
Galesburg, Ill	24,629	9								
Galveston, Tex	42,650	6								
Gardner, Mass	17,534	2								
Gary, Ind	56,009	11							1	
Geneva, N. Y	13,915	2			5					1
Glens Falls, N. Y	17,160	5								
Gloucester City, N. J	11,375		1		1					
Grand Rapids, Mich	132,861	27	5	1	6		3		5	1
Great Falls, Mont	[1] 13,948	3			2		4		1	
Greely, Colo	11,942	4								
Green Bay, Wis	30,017								1	

[1] Population Apr. 15, 1910.

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS—Continued.

City Reports for Week Ended July 17, 1920—Continued.

City.	Population as of July 1, 1917 (estimated by U. S. Census Bureau).	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuberculosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Greenfield, Mass	12,251	4	1		4					
Greensboro, N. C	20,171	17								
Hackensack, N. J	17,412	2	1		1				1	
Hammond, Ind	27,016		2	1						
Harrisburg, Pa	73,276		1		1		1			
Harrison, N. J	17,345				2					
Hartford, Conn	112,831	24			12		3		2	1
Haverhill, Mass	49,180	4	2		3		2			
Hazelton, Pa	28,981						2			
Hibbing, Minn	17,550				3		2			
Highland Park, Mich	33,859	5	2				3			
Hoboken, N. J	78,524	14	1				1		2	5
Holland, Mich	13,459	1								
Holyoke, Mass	66,503	16	2		8		3		1	2
Hot Springs, Ark	17,690	8								1
Huntington, Ind	10,982	2								
Huntington, W. Va	47,686	16								2
Hutchinson, Kans	21,461				1		1		3	
Independence, Mo	11,964	4	1							
Indianapolis, Ind	283,622	71			11		8		6	6
Iowa City, Iowa	11,626				2					
Ironton, Ohio	14,079	5			1					2
Ironwood, Mich	15,095	4	1		9		2			
Ishpeming, Mich	[1] 12,448	4								
Ithaca, N. Y	16,017	5								
Jacksonville, Ill	15,506	8			3					1
Jamestown, N. Y	37,431	12			11				2	1
Janesville, Wis	14,411						1			
Jefferson City, Mo	13,712	1								
Jersey City, N. J	312,557		14				2		11	
Johnstown, Pa	70,437		2		1					
Joplin, Mo	33,400		1							
Kalamazoo, Mich	50,408	14	3							
Kankakee, Ill	14,270	1			4					
Kansas City, Kans	102,096		1						4	
Kansas City, Mo	305,816	85	7	1	4		2		13	11
Kearny, N. J	24,325	11			6		2		1	1
Keene, N. H	10,725	3			6		1		3	
Kenosha, Wis	32,833		3		5		2		1	
Kewanee, Ill	13,607	4								
Knoxville, Tenn	59,112		2				1		3	3
Kokomo, Ind	21,929	6			1					
Lackawanna, N. Y	16,219	5	1		32		1		2	
La Crosse, Wis	31,833		2		4		1			
La Fayette, Ind	21,481	3								
Lake Charles, La	14,930	3								
Lancaster, Ohio	16,086	3								
Lancaster, Pa	51,437		2		8				1	
La Salle, Ill	12,332	0			1					
Lawrence, Kans	13,477	0								
Leavenworth, Kans	[1] 19,363	7	1							
Lebanon, Pa	20,947						1		1	
Leominster, Mass	21,365	8								
Lexington, Ky	41,997	19							2	2
Lima, Ohio	37,145	8	1		2		1		2	2
Lincoln, Nebr	46,957	10								
Little Rock, Ark	58,716		1							
Lockport, N. Y	20,028	4								
Logansport, Ind	21,338	3								
Long Beach, Calif	29,163	9	2		2				1	1
Long Branch, N. J	15,733	7			1					1
Lorain, Ohio	38,266				3					
Los Angeles, Calif	535,485	149	29	1	78	2	7		55	23
Louisville, Ky	240,808	48	6		4		2		11	7
Lowell, Mass	114,366	24			56		1		5	5
Ludington, Mich	10,506	2								
Lynchburg, Va	33,497	6			10		1		1	1
Lynn, Mass	104,534	15	7	3	2		3		2	1
McKeesport, Pa	48,299		1							
Madison, Wis	31,315				3					

[1] Population Apr. 15, 1910.

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS—Continued.

City Reports for Week Ended July 17, 1920—Continued.

City.	Population as of July 1, 1917 (estimated by U. S. Census Bureau).	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuberculosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Malden, Mass	52,243	5	2	2	4		2			1
Manchester, Conn	15,859	2							1	
Manchester, N. H	79,607	15	1		4		1		8	3
Manitowoc, Wis	13,931		1		3		3			
Marion, Ind	19,923	5								
Marion, Ohio	24,129								1	
Marquette, Mich	12,555	1			17				1	
Marshalltown, Iowa	14,519				1		1			
Martinsburg, W. Va	12,984				1					
Mason City, Iowa	14,938	1					1			
Medford, Mass	26,681	3	1		8				1	
Melrose, Mass	17,724	3			4					
Memphis, Tenn	151,877	47	3				1		13	5
Methuen, Mass	14,320	6			5					
Middletown, N. Y	15,890						7			
Middletown, Ohio	16,384	7	1				1		1	1
Milwaukee, Wis	445,008	70	13	4	67		12		19	6
Minneapolis, Minn	373,448	65	8		20		7		35	7
Mishawaka, Ind	17,083	6								
Missoula, Mont	19,075	2			2					
Monessen, Pa	23,070				3		1			
Monmouth, Ill	10,346	2								
Montclair, N. J	27,087	3	1		1				2	
Montgomery, Ala	44,039	25					2		1	2
Morgantown, W. Va	14,444	1							1	1
Morristown, N. J	13,410	4								
Moundsville, W. Va	11,513	4								
Mount Carmel, Pa	20,709				4		1			
Mount Vernon, Ill	10,043	3	1		2					1
Muscatine, Iowa	17,713	4								
Nanticoke, Pa	23,811				1		1			
Nashua, N. H	27,541	3							10	
Nashville, Tenn	118,136	40	1		6				2	7
Newark, N. J	418,789	100	7	3	55		7		39	10
New Bedford, Mass	121,622	16	2				1		5	2
New Britain, Conn	55,385	11	3		11		5			2
New Brunswick, N. J	25,855		1				1			
Newburgh, N. Y	29,893	11			2		1			1
Newburyport, Mass	15,291	9			4					
New Castle, Ind	14,144		1		3					
New Haven, Conn	152,275	40	5	1	1	1			11	1
New London, Conn	21,199								1	
New Orleans, La	377,010	116	4		8		1		28	20
Newport, R. I	30,585	5	3				1			
Newton, Mass	44,343	10	1		18				1	1
Niagara Falls, N. Y	38,466	7	2		2		1		3	
Norfolk, Va	91,148		1		1		1		2	1
Norristown, Pa	31,969		1				1			
North Adams, Mass	[1] 22,019	1			21					
Northampton, Mass	20,006	8			3		1			
North Attleboro, Mass	11,248	4								
North Braddock, Pa	15,684		1							
North Little Rock, Ark	15,515	3								
North Tonawanda, N. Y	14,060	0								
Norwalk, Conn	27,332	6			1				2	
Norwich, Conn	21,923	5			3				2	1
Norwood, Ohio	23,269						1		1	
Oakland, Calif	206,405	43	2				1		3	1
Oak Park, Ill	27,816	11	1		5				1	
Oil City, Pa	20,162				3				1	
Oklahoma City, Okla	97,588	20					1			3
Olean, N. Y	16,927	6								
Omaha, Nebr	177,777	37	4		1		1			1
Orange, Conn	14,393	3			5					1
Orange, N. J	33,636	9			3				1	1
Oshkosh, Wis	36,549						1			
Paducah, Ky	25,178				1		1			
Parkersburg, W. Va	21,059	6	1							
Pasadena, Calif	49,620	10			18				6	3
Passaic, N. J	74,478	21	1		6		1		1	4

[1] Population Apr. 15, 1910.

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS—Continued.

City Reports for Week Ended July 17, 1920—Continued.

City.	Population as of July 1, 1917 (estimated by U. S. Census Bureau).	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuberculosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Paterson, N. J	140,512		1		14				4	
Pawtucket, R. I	60,666	14		1						2
Peekskill, N. Y	19,034	4								
Peoria, Ill	72,184	22			2					2
Perth Amboy, N. J	42,646	6			3				3	1
Petersburg, Va	25,817	11			2		1		1	
Philadelphia, Pa	1,735,514	351	44	3	54	3	43	1	73	29
Phillipsburg, N. J	15,879	5							2	
Piqua, Ohio	14,275	2								
Pittsburgh, Pa	586,196		20		140		18		16	
Pittsfield, Mass	39,678	12	1		23				1	1
Plainfield, N. J	24,330	3					1		2	
Plymouth, Mass	14,001	2								
Pontiac, Mich	18,006	10	2						1	1
Port Chester, N. Y	16,727	4			10				2	
Port Huron, Mich	[1] 18,863	5	1		1		1			
Portland, Me	64,720	18			13		2			1
Portland, Oreg	308,399	34	1		40	2	3		7	3
Portsmouth, N. H	11,730				3					
Portsmouth, Va	40,693	15	2		1				3	1
Pottstown, Pa	16,987				3		1			
Pottsville, Pa	22,717		1						1	
Poughkeepsie, N. Y	30,786	7	1		3					
Providence, R. I	259,895	63	2	1	20	2	5			7
Pueblo, Colo	56,084		1		1					
Quincy, Ill	36,832	7	1							
Quincy, Mass	39,022	7			17				1	
Racine, Wis	47,465		1		5		2		1	
Rahway, N. J	10,361	2								
Raleigh, N. C	20,274	12			2		1			1
Redlands, Calif	14,573	3								1
Reno, Nev	15,514	6								1
Richmond, Ind	25,080	3								
Richmond, Va	158,702	49	1		26		3			5
Riverside, Calif	20,496	5								
Roanoke, Va	46,282	14							2	1
Rochester, N. Y	264,714	50	17	1	6	1	6		27	5
Rockford, Ill	56,739	7	1							
Rock Island, Ill	29,452	9					3			2
Rocky Mount, N. C	12,673	5								
Rome, N. Y	24,259				17					
Rutland, Vt	15,038	4	1		40					
Sacramento, Calif	68,984	15					1			2
St. Joseph, Mo	86,498	16					2			
St. Louis, Mo	768,630	156	37	1	13	2	6		34	4
St. Paul, Minn	252,465	49	4		3		4		20	1
Salt Lake City, Utah	121,623	40	1		26		1		1	2
San Angelo, Tex	[1] 10,321	3								1
San Bernardino, Calif	17,616	13								3
San Diego, Calif	56,412	20	3						5	4
Sandusky, Ohio	20,226	4			6					
Sanford, Me	11,217	2								
San Francisco, Calif	471,023	114	7		1		1		27	5
Saratoga Springs, N. Y	13,839	2			2				2	
Sault Ste. Marie, Mich	14,130	1					1			
Savannah, Ga	69,250	28			1		1			3
Schenectady, N. Y	103,774	12	1		57	2	1			1
Scranton, Pa	149,541		3		7		1		3	
Seattle, Wash	366,445		4		9		2			
Sharon, Pa	19,156						2			
Sheboygan, Wis	28,907		1				2			
Sioux City, Iowa	58,568						2			
Somerville, Mass	88,618	19	3		3				5	2
South Bend, Ind	70,967	7	1				2		2	
Southbridge, Mass	14,465	3			3					
Spokane, Wash	157,656				6					
Springfield, Ill	62,623	9			1		2			
Springfield, Mass	108,668	21			21		3		5	2
Springfield, Ohio	52,296	9			5		4		3	2
Stamford, Conn	31,810		1							

[1] Population Apr. 15, 1910.

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS—Continued.

City Reports for Week Ended July 17, 1920—Continued.

City.	Population as of July 1, 1917 (estimated by U. S. Census Bureau).	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuberculosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Steubenville, Ohio	28,259	3								
Stillwater, Minn	[1] 10,198	3								
Stockton, Calif	36,209	6								
Superior, Wis	47,167	4			1					
Syracuse, N. Y	158,559	38	11		82		8		4	2
Tacoma, Wash	117,446				3		1			
Taunton, Mass	36,610	10							4	2
Terre Haute, Ind	67,361	21		1					4	1
Toledo, Ohio	202,010	50	1		2		13		3	4
Topeka, Kans	49,538	7			10		1		2	
Traverse City, Mich	14,090	9							1	2
Trenton, N. J	113,974	36	3						7	3
Trinidad, Colo	14,413						2			
Troy, N. Y	78,094	19			1			1		
Tucson, Ariz	17,324	12				2				4
Tuscaloosa, Ala	10,824	0								
Uniontown, Pa	21,600				2					
Vancouver, Wash	13,805				1		6			
Virginia, Minn	15,954				2					
Waco, Tex	34,015	10					1		2	
Wakefield, Mass	12,947	3	1		4					
Walla Walla, Wash	26,067		1							
Waltham, Mass	31,011	5	2		5		1		1	1
Washington, D. C	369,282	108	4		14		2		33	13
Washington, Pa	22,076				1				2	
Waterbury, Conn	89,201		1				1		3	
Watertown, Mass	15,188	4			1					
Watertown, N. Y	30,404	0			2					
Wausau, Wis	19,666	4					1			
West Chester, Pa	13,403				7					
Westfield, Mass	18,769	9	1		2					
West New York, N. J	19,613	2			4				1	1
West Orange, N. J	13,964	3			13					
Wheeling, W. Va	43,657	16			6		1		1	1
White Plains, N. Y	23,331	3	1							
Wichita, Kans	73,597	25	2		4				1	
Wilkes Barre, Pa	78,334		3		1		1		3	
Wilkinsburg, Pa	23,899				1					
Wilmington, Del	95,369	20	1				3			2
Wilmington, N. C	30,400	11			1					1
Winchester, Mass	10,812	3								
Winston-Salem, N. C	33,136	15			1				3	
Winthrop, Mass	13,105	1								
Woburn, Mass	16,076	1								
Worcester, Mass	169,106	37	1		5		6		5	3
Yakima, Wash	22,958				3		2			
Yonkers, N. Y	103,056	16	11		10				2	2
York, Pa	52,770		1						1	
Zanesville, Ohio	31,320	11							1	

[1] Population Apr. 15, 1910.

FOREIGN AND INSULAR.

CUBA.

Communicable Diseases—Habana.

Communicable diseases have been notified at Habana, as follows:

Disease.	July 1-10, 1920.		Remaining under treatment, July 10, 1920.
	New cases.	Deaths.	
Cerebrospinal meningitis	2	1	[1] 2
Diphtheria			2
Leprosy			10
Malaria	7		[2] 17
Measles	15	3	9
Paratyphoid fever	1	1	
Scarlet fever	7	1	14
Smallpox	1		1
Typhoid fever	30	8	[3] 72

[1] From the interior, 2. [2] From the interior, 11. [3] From the interior, 18.

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER.

Reports Received During Week Ended Aug. 6, 1920.[1]

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
Ch'na:				
Chungking	June 13-19		461	
India:				
Bombay	May 29-June 5	12		
Indo-China:				
Saigon	June 7-13	74	53	
Japan:				
Kobe	June 14-27	36	24	
Nagasaki	June 21-27	7		
Philippine Islands:				
Manila	June 6-26	4		
Provinces				June 13-19, 1920: Cases, 3; deaths, 2.
Cagayan	June 13-19	1	1	
Rizal	do	1		
Union	do	1	1	
Provinces				June 20-26, 1920: Cases, 3; deaths, 1.
Cagayan	June 20-26	1		
Laguna	do	1		
Union	do	1	1	
Russia				Reported prevalent in southern Russ'a, June 4, 1920.
Sebastopol (distr:ct)	June 29			Reported increasing.
Siam:				
Bangkok	May 9-29	183	143	

[1] From medical officers of the Public Health Service, American consuls, and other sources.

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received During Week Ended Aug. 6, 1920—Continued.

PLAGUE.

Place.	Date.	Cases.	Deaths.	Remarks.
Brazil:				
Pernambuco	May 3-9	1	1	
Ceylon:				
Colombo	June 6-12	1	1	
Egypt:				
Alexandria	June 18-24	5	2	
Great Britain:				
Liverpool	June 20-26		1	
India				May 23-29, 1920: Cases, 810; deaths, 695.
Bombay	May 28-June 5	14	8	
Madras Presidency	June 6-12	4	2	
Indo-China:				
Saigon	June 7-13	8	1	
Java:				
East Java	Apr. 23-May 5	7	7	
Siam:				
Bangkok	May 9-29	4	2	

SMALLPOX.

Place.	Date.	Cases.	Deaths.	Remarks.
Brazil:				
Pernambuco	May 10-May 16	9		
Canada:				
Alberta—				
Calgary	July 4-10	1		Patient taken from Vancouver train.
Ontario—				
Ottawa	July 18-24	2		
Port Arthur	July 11-17	2		
Toronto	July 11-24	12		
China:				
Amoy	June 6-12		1	
Antung	June 21-27	1		
Hankow	June 20-26	2		
Tientsin	June 13-19	2		
Colombia:				
Barranquilla	June 13-July 3			
Santa Marta	July 4-17			
France:				
Paris	May 1-10	3		
Great Britain:				
Glasgow	July 4-10	40	1	
London	June 20-26	3		
Italy:				
Messina	June 21-27	1		
Palermo	June 25-July 8	12	1	
Japan:				
Kobe	June 14-27	3	3	
Mexico:				
Salina Cruz	June 1-30	5	3	
Spain:				
Barcelona	June 18-July 1	6		
Valencia	July 4-10	2	2	
Tunis:				
Tunis	June 28-July 4	4	4	
Turkey:				
Constantinople	June 20-26	1		

TYPHUS FEVER.

Place.	Date.	Cases.	Deaths.	Remarks.
Egypt:				
Cairo	Apr. 9-May 6	369	121	
Italy:				
Trieste	June 13-26	8	2	
Japan:				
Nagasaki	June 21-27	1		
Siberia:				
Vladivostok	May 1-31	22	2	
Turkey:				
Constantinople	June 19-July 3	7		

YELLOW FEVER.

Place.	Date.	Cases.	Deaths.	Remarks.
Mexico:				
Vera Cruz	July 28	2		

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received from June 26 to July 30, 1920.[1]

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
China:				
Chungking	May 16-22		551	
India				Apr. 11-May 8, 1920: Deaths, 5,612.
Calcutta	May 2-29	264	255	
Rangoon	do	8	6	
Indo-China:				
Saigon	Apr. 26-May 16	56	41	Report for May 9 not received.
Japan:				
Kobe	June 8			Present.
Osaka	do			Do.
Java:				
West Java				Apr. 29-May 13, 1920: Cases, 6; deaths, 3.
Batavia	Apr. 29-May 13	6	2	
Siam:				
Bangkok	Apr. 25-May 8	303	165	
Philippine Islands:				
Manila	May 9-15	1	1	
Provinces				May 9-June 5, 1920: Cases, 11; deaths, 9.
Albay	May 9-15	2	1	
Cagayan	May 9-June 5	9	8	
Turkey:				
Amassia	Dec. 24	1		Asiatic Turkey.
Kaiseri	Dec. 22	1		Do.
Karassi	Jan. 3	1		Do.
Mamuret-ul-Aziz	Dec. 31	1	1	Do.
Panderma	Dec.-Jan.	16	6	
Rodosto	Dec. 29	1		European Turkey.
Smyrna	Dec. 22	3	2	Asiatic Turkey.

PLAGUE.

Brazil:				
Bahia	Apr. 25-May 22	8	2	
Ceylon:				
Colombo	May 25-June 5	6	1	
Chile:				
Antofagasta	May 17-June 20	5		
China:				
Hongkong	Apr. 4-May 29	46	37	
Egypt				Jan. 1-June 30, 1920: Cases, 303; deaths, 174.
Cities—				
Suez	May 13-June 8	12	6	3 cases, pneumonic.
Provinces—				
Assiout	May 15-June 5	7	4	
Fayoum	June 5	1		
Garbieh	do	1		
Keneh	May 18	1		
Mariut	May 18-June 8	19	22	
Minieh	May 15	2	1	Septicemic.
Great Britain:				
Liverpool	June 20-26	1	1	
Greece:				
Cavalla	July 22	1		
Dante	do	2		
Piræus	June 29-July 9	4		
India				Apr. 18-May 29, 1920: Cases, 9,639; deaths, 7,753.
Bombay	Apr. 18-May 29	69	60	
Calcutta	May 2-29	21	15	Report for May 8 not received.
Karachi	May 9-June 12	52	47	
Madras Presidency	do	115	87	
Rangoon	Apr. 25-May 29	71	65	
Indo-China:				
Saigon	May 10-16	1	1	
Italy:				
Catania	June 24			Present.
Do	July 3	2		
Java:				
East Java				A[illegible]ay 19, 1920: Cases, 6; [illegible]bara Residency.

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received from June 26 to July 30, 1920—Continued.

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Mexico:				
Tampico	June 25	1		
Do	July 17	1	1	
Vera Cruz	June 14-20	11	1	May 29-July 24, 1920: Cases, 49; deaths, 29.
Do	July 18-24	2		
Peru				Mar. 1-31, 1920: Cases, 46; deaths, 29. Apr. 1-30, 1920: Cases, 36; deaths, 13. In coastal departments.
Callao	Mar. 1-31	6	3	
Do	Apr. 1-30	9	4	
Lima (city)	Mar. 1-31	5	3	
Do	Apr. 1-30	4	4	
Lima (country)	Mar. 1-31	1	1	
Do	Apr. 1-30	1		
Mollendo	Mar. 1-31	13	9	
Paita	do	5	2	
Do	Apr. 1-30	2		
Salaverry	Mar. 1-31	4	3	
Do	Apr. 1-30	1		
San Pedro	do	6	1	
Trujillo	Mar. 1-31	5	2	
Do	Apr. 1-13	7	3	
Siam:				
Bangkok	Apr. 25-May 1	3	3	
Straits Settlements:				
Singapore	Apr. 25-May 22	9	8	
Syria:				
Beirut	June 30			Present.

SMALLPOX.

Algeria:				
Departments—				
Algiers	May 11-June 20	24		City of Algiers, Apr. 1-30, 1920: One case.
Constantine	June 1-20	6		
Oran	May 11-June 20	60		
Bolivia:				
La Paz	May 2-31	6	8	
Brazil:				
Bahia	Apr. 25-May 22	3	3	
Pernambuco	Mar. 29-May 2	57		
Rio de Janeiro	Apr. 11-22	10	2	
Santos	Mar. 24-28	1		
Canada:				
Alberta—				
Calgary	June 3-9	1		
British Columbia—				
Vancouver	May 16-22	1		
Manitoba—				
Winnipeg	May 29-June 5	3		
New Brunswick—				
Gloucester	May 31-June 26	5		
Nova Scotia—				
Halifax	July 4-10	2		
Sydney	May 31-June 26	2		
Ontario—				
Cornwall	June 25-30	2		
Hamilton	June 13-19	2		
Kingston	May 31-June 19	4		
North Bay	June 23-29	1		
Do	July 11-17	2		
Ottawa	June 6-26	32		
Do	July 4-17	18		
Peterborough	Apr. 18-June 19	26		
Prescott	July 11-17	1		
Toronto	June 6-19	13		
Do	June 26-July 13	5		
Quebec—				
Montreal	June 13-19	1		
Do	July 4-10	1		
Quebec	June 27-July 3	1		
Saskatchewan—				
Moosejaw	June 26-30	1		
Regina	do	1		
Ceylon:				
Colombo	May 9-June 5	2		

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received from June 26 to July 30, 1920—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Chile:				
Antofagasta	May 17-23			One case in interior.
China:				
Amoy	May 2-29		9	
Antung	May 9-June 13	3	3	
Chungking	May 2-June 5			Present.
Foochow	May 9-29			Do.
Hongkong	Apr. 4-May 22	10	8	
Nanking	May 9-June 5			Do.
Tientsin	May 25-31	2		
Tsinanfu	May 9-15	1		
Chosen:				
Chemulpo	Mar. 1-31	22	23	
Do	Apr. 1-May 31	37	11	
Fusan	Mar. 1-31	7	2	
Do	Apr. 1-May 31	12	3	
Seoul	Mar. 1-31	120	45	
Do	Apr. 1-May 31	196	23	
Colombia:				
Barranquilla	May 16-June 12			Do.
Santa Marta	May 31-June 26			Do.
Cuba:				
Habana	July 4	1		From steamship Frank Hennis from Jamaica. Arrived Santiago June 30, 1920.
Czechoslovakia:				
Moravia	Feb. 1-28	68		
Egypt:				
Alexandria	May 14-June 17	47	17	
Cairo	Apr. 2-8	4	2	
Port Said	do	6	1	
France:				
Brest	May 15-21	1		
Cette	June 24-30		1	
Germany				Feb. 22-Mar. 27, 1920: Cases, 373.
Great Britain:				
Glasgow	May 25-June 26	135	22	
London	June 13-19	5		
Greece:				
Salonika	Apr. 12-May 30	12		May 10-23: Deaths, 4.
India				Apr. 11-May 8, 1920: Deaths, 5,520.
Bombay	Apr. 23-May 29	49	19	May 9-15, 1920: Cases, 26; deaths, 11.
Calcutta	May 2-29	96	88	
Karachi	May 9-June 12	14	11	
Madras	do	18	10	
Rangoon	Apr. 25-May 29	20	7	
Indo-China:				
Saigon	May 10-16	7	2	
Italy:				
Genoa	May 17-June 20	26		In Province.
Messina	May 9-June 20	50	6	Province, May 17-June 20: Cases, 87; deaths, 16.
Milan	Mar. 1-Apr. 30	29	5	
Naples	May 23-June 20	7	3	
Palermo	May 11-June 23	9		
Japan:				
Kobe	May 9-June 6	7	2	
Taiwan Island	May 1-20	10	5	
Tokyo	Apr. 21-May 10	5	4	
Java:				
West Java				Apr. 16-May 5, 1920: Cases, 53; deaths, 10.
Batavia	Apr. 16-May 5	36	12	
Madeira:				
Funchal	June 20-26		2	
Malta	May 1-June 15	2		
Manchuria:				
Mukden	May 2-8			Present.
Mexico:				
Guadalajara	May 1-31	1		
Mazatlan	May 19-25		1	
San Luis Potosi	May 31-June 6		1	
Do	July 5-11		2	
Newfoundland:				
St. Johns	June 5-11	3		Reported at two other localities.
Shoal Harbor	July 10-16	7		July 3-16: Present at 4 localities.

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received from June 26 to July 30, 1920—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Portugal:				
Lisbon	May 16-June 28		8	
Russia:				
Vladivostok	Jan. 1-Apr. 30	248	77	
Spain:				
Barcelona	May 19-June 12		4	
Valencia	May 23-June 26	15	3	
Vigo	May 31-June 26		4	
Switzerland:				
Geneva	May 9-15	7		
Tunis:				
Tunis	May 25-June 27	10	6	
Turkey:				
Constantinople	May 16-June 12	6		

TYPHUS FEVER.

Place.	Date.	Cases.	Deaths.	Remarks.
Algeria:				
Departments—				
Algiers	May 11-June 20	26		
Constantine	May 21-June 20	6		
Oran	May 11-June 11	162		
Austria				Feb. 15-Mar. 15, 1920: Cases, 60.
Vienna	Feb. 15-Mar. 15	20		
Bolivia:				
La Paz	May 2-31		5	
Brazil:				
Ceara	Apr. 25-May 1		2	
Chile:				
Caleta Coloso	May 10-16		2	
Concepcion	June 6-12		3	
Valparaiso	May 2-June 12		21	
Chosen:				
Seoul	Mar. 1-Apr. 30	4	1	
Czechoslovakia:				
Leipnik	Feb. 22-28	1		Quarantine Station.
Egypt:				
Alexandria	Apr. 14-June 17	216	62	
Cairo	May 2-8	123	44	
Port Said	do		1	
Germany				Feb. 22-Mar. 27, 1920: Cases, 23. Among troops, 4; among persons from Poland, 8.
Great Britain:				
Dublin	May 23-June 19	3	1	
Glasgow	May 30-June 5		1	
Greece:				
Saloniki	Apr. 12-June 6	151	8	
Hungary				Jan. 19-Feb. 29, 1920: Cases, 14.
Budapest	Jan. 19-Feb. 29	7		
Italy:				
Catania	July 10-17	3		
Trieste	May 16-22	5		
Japan:				
Nagasaki	May 25-30	1		
Mexico:				
Chihuahua	May 31-June 6		1	
San Luis Potosi	June 8-July 4			Present.
Portugal:				
Oporto	Apr. 4-June 12	11	4	
Russia:				
Vladivostok				Jan. 1-Apr. 30, 1920: Cases, 1,264; deaths, 144.
Tunis:				
Tunis	May 24-June 27	36	18	
Turkey:				
Constantinople	May 16-June 12	27		

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received from June 26 to July 30, 1920—Continued.

YELLOW FEVER.

Place.	Date.	Cases.	Deaths.	Remarks.
Brazil:				
Bahia	Apr. 25-May 22	3		
Colombia:				
Buenaventura	June 3	1	1	
Mexico:				
Vera Cruz	June 22		2	July 1-24, 1920: Cases, 3.
Peru				Mar. 1-31, 1920: Cases, 128. Apr. 1-30, 1920: Cases, 64.
Callao	Apr. 1-30	1		At quarantine station. From s. s. Hualiaga.
Catacaos	Mar. 1-31	14		
Do	Apr. 1-30	2		
La Huaca	Mar. 1-31	9		
Morropon	Apr. 1-30	37		
Munuella	Mar. 1-31	12		
Do	Apr. 1-30	5		
Paita	Mar. 1-31	81		
Do	Apr. 1-30	14		
Piura	Mar. 1-31	1		
Do	Apr. 1-30	4		
Salitral	Mar. 1-31	2		
Sullana	do	9		
Do	Apr. 1-30	1		
Salvador:				
Armenia	June 20-26	1	1	
Sonsonate	May 22-June 24	49	17	